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SEND TO: CHEN, ALBERT B.  
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1. 6406607 , June 18, 2002 , Method for forming a nozzle plate having a non-wetting surface of uniform thickness and an orifice wall of tapered contour, and nozzle plate, Hirsh, Jeffrey I. - Rochester, New York; Mycek, Edwin A. - Scottsville, New York; Lapa, Larry L. - Rochester, New York, 09709082

**CORE TERMS:** layer, nozzle, non-wetting, orifice, photoresist, thickness, ink, substrate, droplet, masking ...

2. 6403959 , June 11, 2002 , Infrared detector element, and infrared sensor unit and infrared detecting device using it, Fujikawa, Kazuhiko - Kyoto, Japan (JP); Masutani, Takeshi - Osaka, Japan (JP); Nakanishi, Tsutomu - Osaka, Japan (JP); Umeda, Shinji - Osaka, Japan (JP); Komaki, Kazuki - Osaka, Japan (JP); Miki, Katsumasa - Osaka, Japan (JP); Nomura, Koji - Osaka, Japan (JP), 09402969

**CORE TERMS:** infrared, detecting, electrode, segment, pyroelectric, detector, exemplary, trapezoidal, detected, sensor ...

3. 6399472 , June 4, 2002 , Semiconductor device having a fuse and a fabrication method thereof, Suzuki, Seiichi - Kawasaki, Japan (JP); Adachi, Kazuhiro - Kawasaki, Japan (JP); Katayama, Masaya - Kasugai, Japan (JP); Suzuki, Noriyuki - Kawasaki, Japan (JP); Hideshima, Osamu - Kawasaki, Japan (JP); Kawabata, Kenichi - Kawasaki, Japan (JP); Ohtsuki, Masaya - Kawasaki, Japan (JP); Hayashi, Manabu - Kawasaki, Japan (JP); Yayanagi, Junichi - Kawasaki, Japan (JP), 09319740

**CORE TERMS:** film, fuse, etching, insulation, stopper, window, polysilicon, layer, thickness, sio ...

4. 6397596 , June 4, 2002 , Self contained generation system using waste heat as an energy source, Boyle, Heather - 200 W. 34th St. #856, Anchorage, Alaska, 99503, 09846915

**CORE TERMS:** ammonia, condenser, turbine, exhaust gas, compressor, energy, vapor, heat, propane, heat energy ...

5. 6385228 , May 7, 2002 , Coherent beam combiner for a high power laser, Dane, C. Brent - Livermore, California; Hackel, Lloyd A. - Livermore, California, 09495019

**CORE TERMS:** beam, phase, mirror, comb, laser, teeth, input, amplifier, mixing, conjugator ...

6. 6381967 , May 7, 2002 , Cryogenic freezing of liquids, Craig, Randall H - 3200 N. Dobson Rd., #F7, Chandler, Arizona, 85224, 09486447

**CORE TERMS:** refrigerant, sample, freezing, droplet, frozen, argon, nebulizer, nebulized, cell, slushed ...

7. 6372649 , April 16, 2002 , Method for forming multi-level metal interconnection, Han, Min Sub - Seoul, South Korea (KR); Lee, Tae Gook - Kyoungki-do, South Korea (KR); Kim, Wan Soo - Seoul, South Korea (KR); Kang, Byoung Ju - Kyoungki-do, South Korea (KR), 09599172

**CORE TERMS:** layer, interconnection, insulating, film, plug, hole, etched, spacer, etching, planarization ...

8. 6367264 , April 9, 2002 , Hybrid low temperature liquid carbon dioxide ground support system, Tyree, Jr., Lewis - 115 Liberty Hall Rd., Lexington, Virginia, 24450, 09668877

**CORE TERMS:** co2, vessel, refrigeration, tank, storage, carbon dioxide, vapor, cooling, valve, minus ...

9. 6355594 , March 12, 2002 , Organometal catalyst compositions, McDaniel, Max P. - Bartlesville, Oklahoma; Collins, Kathy S. - Bartlesville, Oklahoma; Eaton, Anthony P. - Dewey, Oklahoma; Benham, Elizabeth A. - Bartlesville, Oklahoma; Jensen, Michael D. - Bartlesville, Oklahoma; Martin, Joel L. - Bartlesville, Oklahoma; Hawley, Gil R. - Dewey, Oklahoma, 09401354

**CORE TERMS:** substituted, catalyst, compound, composition, silica-alumina, alumina, fluorided, silica, aliphatic, polymer ...

10. 6348367 , February 19, 2002 , Method for manufacturing a semiconductor device, Ohtani, Hisashi - Kanagawa, Japan (JP); Adachi, Hiroki - Kanagawa, Japan (JP); Miyanaga, Akiharu - Kanagawa, Japan (JP); Takayama, Toru - Kanagawa, Japan (JP), 08861001

**CORE TERMS:** silicon, film, nickel, catalyst, amorphous, region, oxide, substrate, crystallization, concentration ...

11. 6347525 , February 19, 2002 , Ice seeding apparatus for cryopreservation systems, Cosman, Maury D. - Woburn, Massachusetts, 09753168

**CORE TERMS:** ice, cell, tissue, rack, gas, seeding, chamber, rail, sprayrail, cryopreservation ...

12. 6306432 , October 23, 2001 , High and low load formulations of IGF-I in multivesicular liposomes, Shirley, Bret - Concord, California; Hora, Maninder - Danville, California; Ye, Qiang - San Diego, California; Katre, Nandini - Solana Beach, California; Asherman, John - San Diego, California, 08925531

**CORE TERMS:** aqueous, osmolarity, liposome, loading, lipid, concentration, osmotic, excipient, suspension, load ...

13. 6301077 , October 9, 2001 , Thin film magnetic head and method of manufacturing the same, Sasaki, Yoshitaka - Tokyo, Japan (JP), 09298179

**CORE TERMS:** layer, magnetic, thin film, pole, chip, insulating, seed, coil, photoresist, thickness ...

14. 6300369 , October 9, 2001 , Hydroxy-kojic acid skin peel, Ancira, Margaret - 6850 N. 83rd St., Scottsdale, Arizona, 85250, 09299788

**CORE TERMS:** peel, acid, skin, superficial, peeling, phenol, kojic, gram, composition, alpha ...

15. 6282943 , September 4, 2001 , Apparatus and method for detecting substances, Sanders, Donald G. - Combine, Texas; Jennings, Gary Stephen - Garland, Texas, 09387081

**CORE TERMS:** coupling, pole, probe, detector, retractable, vent, sewer, segment, natural gas, elastic ...

16. 6277143 , August 21, 2001 , Brain cooling apparatus and method for cooling the brain, Klatz, Ronald M. - Chicago, Illinois; Goldman, Robert M. - Chicago, Illinois, 09359652

**CORE TERMS:** coolant, helmet, brain, shell, cooling, fluid, gas, cavity, bladder, patient ...

17. 6276158 , August 21, 2001 , Heat exchange equipment, Lowes, Albert Robert - Doven, Great Britain (GB); Luxford, Mark Steven - Kent, Great Britain (GB), 09357757

**CORE TERMS:** coil, valve, fluid, heat, outdoor, port, heat exchange, conduit, compressor, exchanger ...

18. 6272855 , August 14, 2001 , Two cycle heat engine, Leonardi, Joseph - 50 Hickory St., Bridgeport, Connecticut, 06610, 09592628

**CORE TERMS:** chamber, piston, heat engine, vapor, heat, flywheel, cooling, tube, low boiling, coupled ...

19. 6217632 , April 17, 2001 , Molten aluminum treatment, Megy, Joseph A. - 347 Birch St., Imperial, Pennsylvania, 15126, 09340529

**CORE TERMS:** aluminum, titanium, grain, molten, reactive, compound, alloy, refining, nuclei, gas ...

20. 6216473 , April 17, 2001 , Method of recovering a coolant, apparatus therefor, tool therefor and three-way valve for recovering a pressurized fluid, Arai, Tsuneo - 3-25 Midorimachi, Tokuyama-Shi, Yamaguchi-Ken, Japan (JP), 09229325

**CORE TERMS:** denote, valve, fluid, coolant, socket, recovering, recovered, compressor, coupler, pressurized ...

21. 6207544 , March 27, 2001 , Method of fabricating ultra thin nitride spacers and device incorporating same, Nguyen, Thien T. - Austin, Texas; Gardner, Mark I. - Cedar Creek, Texas; May, Charles E. - Gresham, Oregon, 09207808

**CORE TERMS:** gate, spacer, etching, sidewall, silicon, layer, nitride, comprised, dielectric, substrate ...

22. 6201221 , March 13, 2001 , Method and apparatus for heat regulating electronics products, LaGrotta, James T. - Boonton Township, New Jersey; LaGrotta, Richard T. - Livingston, New Jersey, 09397031

**CORE TERMS:** electronic, chamber, heat, wireless, station, heater, cooling, fin, heating, environmental ...

23. 6198116 , March 6, 2001 , Complementary heterostructure integrated single metal transistor fabrication method, Cerny, Charles L. A. - Huber Heights, Ohio; Bozada, Christopher A. - Dayton, Ohio; DeSalvo, Gregory C. - Beavercreek, Ohio; Ebel, John L. - Beavercreek, Ohio; Dettmer, Ross W. - Dayton, Ohio; Gillespie, James K. - Cedarville, Ohio; Havasy, Charles K. - Laurel, Maryland; Jenkins, Thomas J. - Fairborn, Ohio; Nakano, Kenichi - Beavercreek, Ohio; Pettiford, Carl I. - Beavercreek, Ohio; Quach, Tony K. - Kettering, Ohio; Sewell, James S. - Kettering, Ohio; Via, G. David - Dayton, Ohio, 09059890

**CORE TERMS:** layer, transistor, gate, mask, photoresist, region, ion, silicon, complementary, nitride ...

24. 6198069 , March 6, 2001 , Laser beam temporal and spatial tailoring for laser shock processing, Hackel, Lloyd - Livermore, California; Dane, C. Brent -

**CORE TERMS:** beam, laser, phase, polarization, pulse, mirror, medium, lens, ring, polarizer ...

25. 6187288 , February 13, 2001 , Stable microbubble suspensions as enhancement agents for ultrasonic echography, Schneider, Michel - Troinex, Switzerland (CH); Brochot, Jean - Feigeres, France (FR); Puginier, Jerome - Le Chable-Beaumont, France (FR); Yan, Feng - Geneva, Switzerland (CH), 09151651

**CORE TERMS:** phospholipid, suspension, microbubble, bubble, concentration, surfactant, gas, aqueous, preparation, carrier ...

26. 6182643 , February 6, 2001 , Internal combustion engine with cooling circuit, Canopy, Donald D. - Rome, Illinois, 09494490

**CORE TERMS:** heat, cooling, combustion, tube, engine, cylinder, thermal, exhaust, coil, piston ...

27. 6179978 , January 30, 2001 , Mandrel for forming a nozzle plate having a non-wetting surface of uniform thickness and an orifice wall of tapered contour, and method of making the mandrel, Hirsh, Jeffrey I. - Rochester, New York; Mycek, Edwin A. - Scottsville, New York; Lapa, Larry L. - Rochester, New York, 09249831

**CORE TERMS:** layer, nozzle, orifice, non-wetting, photoresist, thickness, ink, substrate, droplet, masking ...

28. 6174499 , January 16, 2001 , Method and apparatus for treatment of freon gas, Harashima, Keiichi - Tokyo, Japan (JP), 09244015

**CORE TERMS:** gas, plasma, unreacted, chamber, chemically, etching, freon, activated, holder, reactant ...

29. 6173578 , January 16, 2001 , Air conditioning for cooling vehicle engine and providing cooling inside the vehicle, Al-Otaibi, Saidan Sh. M. - P.O. Box 32296, Riyadh 11428, Saudi Arabia (SA), 09307951

**CORE TERMS:** radiator, engine, evaporator, installed, air conditioning, condenser, pipe, freon, suction pipe, compressor ...

30. 6164088 , December 26, 2000 , Method for recovering condensable gas from mixed gas and condensable gas recovering apparatus , Moriguchi, Tetsuo, Tokyo, JPX; Hamano, Suenobu, Tokyo, JPX, 00208012

**CORE TERMS:** gas, mixed, separator, condensable, sub, recovering, adsorption, incondensable, adsorbent, cooler ...

31. 6144553 , November 7, 2000 , Refrigeration cooled disk storage assembly , Hileman, Vince P., San Jose, CA; Harpell, Gary A., Menlo Park, CA, 00150279

**CORE TERMS:** drive, heat, disk, disk drive, storage, air flow, refrigeration, enclosure, rear, chilled ...

32. 6142214 , November 7, 2000 , Method for altering the temperature of a premises and device for carrying out said method , Liljedahl, Hans Arne Bertil, Planvagen Lund, SEX, 00043118

**CORE TERMS:** floor, layer, intermediate, conduit system, cool, cooled, night, cooling, heating, coolant ...

33. 6139818 , October 31, 2000 , Method of making ultrasonic contrast agent , Bichon, Daniel, Montpellier, FRX; Bussat, Philippe, Collonges S/Saleve, FRX; Schneider, Michel, Troinex, CHX, 08910149

**CORE TERMS:** microballoon, polymer, phase, membrane, aqueous, suspension, sup, carrier, hydrophobic, sub ...

34. 6137209 , October 24, 2000 , High power ultrasonic transducer , Nilsson, Bo, P.O. Box 3139 K Graso S-740 71 Oregrung, SEX; Dahlberg, Hakan, Berghemsgatan 50 S-804 27 Gavle, SEX, 00348308

**CORE TERMS:** transducer, piezoelectric, cooling, gas, ultrasonic, sub, channel, housing, hole, disk ...

35. 6134912 , October 24, 2000 , Method and system for separation of a mixed gas containing oxygen and chlorine , Sauer, Richard A., Hinsdale, IL, 00238027

**CORE TERMS:** gas, mixed, oxygen, chlorine, refrigerant, separator, fraction, oxygen-enriched, conduit, bed ...

36. 6133157 , October 17, 2000 , Dry etching method of a silicon thin film , Sakurai, Takehisa, Kusatsu, JPX; Ujimasa, Hitoshi, Higashiosaka, JPX; Kawai, Katsuhiro, Yamatotakada, JPX; Ban, Atsushi, Nara, JPX; Kajitani, Masaru, Osaka, JPX; Katayama, Mikio, Ikoma, JPX, 00119993

**CORE TERMS:** layer, gas, sup, etching, silicon, freon-14, etch, electrode, hydrogen chloride, concentration ...

37. 6123922 , September 26, 2000 , Resilient deformable microballoons for echographic imaging , Bichon, Daniel, Montpellier, FRX; Bussat, Philippe, Collonges S/Saleve, FRX; Schneider, Michel, Troinex, CHX, 08929274

**CORE TERMS:** microballoon, polymer, phase, membrane, aqueous, hydrophobic, suspension, carrier, sup, sub ...

38. 6123523 , September 26, 2000 , Gas-dispersion device , Cooper, Paul V., 11247 Lake Forest Dr. Chesterland, OH 44026, 00152168

**CORE TERMS:** gas, rotor, shaft, molten, pump, metal-transfer, chamber, stream, coupling, conduit ...

39. 6119467 , September 19, 2000 , Method and installation for continuous production of whipped ice , Zusman, Vladimir, Beer Sheva, ILX; Kayem, Yuri, Beer Sheva, ILX; Menin, Boris, Beer Sheva, ILX, 08974833

**CORE TERMS:** evaporator, ice, refrigerant, whipped, nuclei, gas, sub, cooling, bubble, heat ...

40. 6119445 , September 19, 2000 , Method of and apparatus for augmenting power produced from gas turbines , Bronicki, Lucien Y., Yavne, ILX; Gilon, Yoel, Jerusalem, ILX; Sinai, Joseph, Ramat Gan, ILX; Fisher, Uriel, Haifa, ILX; Bugdagzad, Shlomo, Reshon Lezeon, ILX, 08764337

**CORE TERMS:** cooler, ambient, precompressor, cooling, compressor, power plant, cycle, gas turbine, turbine, precompressed ...

41. 6113754 , September 5, 2000 , Sputtering apparatus having a target backing plate equipped with a cooling line and sputtering method using the same , Oh, Jung-suk, Seoul, KRX; Park, Yoon-sei, Seoul, KRX; Kwag, Gyu-hwan, Suwon, KRX, 00313197

CORE TERMS: gas, cooling, target, sputtering, chamber, cooling water, backing, wafer, port, sccm ...

42. 6110443 , August 29, 2000 , Dry stable formation to produce microbubble suspension for ultrasound , Schneider, Michel, Troinex, CHX; Bichon, Daniel, Montpellier, FRX; Bussat, Philippe, Collonges S/Saleve, FRX; Puginier, Jerome, Le Chable-Beaumont, FRX; Hybl-Sutherland, Eva, Geneva, CHX, 08853936

CORE TERMS: microbubble, suspension, bubble, liposome, surfactant, gas, aqueous, carrier, sup, ultrasonic ...

43. 6106858 , August 22, 2000 , Modulation of drug loading in multivesicular liposomes , Ye, Qiang, San Diego, CA; Katre, Nandini, Solana Beach, CA; Sankaram, Mantripragada, San Diego, CA, 08925532

CORE TERMS: aqueous, loading, liposome, osmolarity, lipid, excipient, osmotic, concentration, biologically, encapsulated ...

44. 6087453 , July 11, 2000 , Vulcanizable rubber composition and seal for freon , Nishimura, Koichi, Yokohama, JPX, 00117188

CORE TERMS: rubber, copolymer, acrylate, unsaturated, composition, resistance, compound, acid, freon, carboxylic acid ...

45. 6076497 , June 20, 2000 , Pressurized containers using phase change system , Ferralli, Michael W., Fairview, PA, 00014907

CORE TERMS: oil, engine, gas, tank, fluid, pressurized, container, accumulator, condensed, lubrication ...

46. 6076496 , June 20, 2000 , Captive bag engine pre-oiling apparatus , Ferralli, Michael W., Fairview, PA, 08907228

CORE TERMS: oil, engine, accumulator, lubrication, gas, volume, tank, combustion, bag, condensable ...

47. 6056943 , May 2, 2000 , Methods of ultrasound imaging using phospholipid stabilized microbubbles , Schutt, Ernest G., San Diego, CA, 00092351

CORE TERMS: bubble, gas, microbubble, surfactant, ultrasound, harmonic, imaging, frequency, phase, perfluorohexane ...

48. 6056791 , May 2, 2000 , Process for the production of particles or powders , Weidner, Eckhard, Am Dorfweiher 9 91056 Erlangen, DEX; Knez, Zelijko, Wilsonova 15 62000 Maribor, SIX; Novak, Zoran, Askerceva 11 62000 Maribor, SIX, 08965805

CORE TERMS: fluid, compressible, particle, gas, mixture, melting point, decompression, supercritical, powder, crystallization ...

49. 6053013 , April 25, 2000 , Apparatus and method for overcladding optical fiber preform rod and optical fiber drawing method , Oh, Seung-Hun, Kyongsangbuk-do, KRX; Namkoong, Ki-Un, Taegukwangyok-shi, KRX; Seo, Man-Seok,

Kyonggi-do, KRX; Paek, Un-Chul, Kwangjukwangyok-shi, KRX; Oh, Kyung-Hwan, Seoul, KRX; Song, Ghie-Hugh, Seoul, KRX; Do, Mun-Hyun, Kyongsangbuk-do, KRX; Chung, Young-Joo, Kwangjukwangyok-shi, KRX, 00049030

**CORE TERMS:** tube, preform, glass, rod, fiber, optical, furnace, overcladding, chuck, burner ...

50. 6052987 , April 25, 2000 , Non-propellant fluid cooled space craft rocket engine , Dressler, Gordon A., Manhattan Beach, CA, 08970915

**CORE TERMS:** coolant, propellant, heat, engine, valve, heat exchanger, fluid, rocket engine, rocket, conduit ...

51. 6030412 , February 29, 2000 , Apparatus and method for cooling the brain, brain stem and associated neurologic tissues , Klatz, Ronald M., Chicago, IL; Goldman, Robert M., Chicago, IL, 08901164

**CORE TERMS:** enveloping, brain, coolant, cooling, shell, tissue, patient, neurologic, cavity, fluid ...

52. 6024902 , February 15, 2000 , Injection molded paired thermoplastic spectacle lenses suited for fully automated dip hardcoating , Maus, Steven M., Osseo, MN; Galic, George J., Columbia Heights, MN, 00009151

**CORE TERMS:** lens, lenses, molded, mold, molding, tab, paired, polycarbonate, dipcoating, parting ...

53. 6020226 , February 1, 2000 , Single layer integrated metal process for enhancement mode field- effect transistor , Cerny, Charles L. A., Huber Heights, OH; Bozada, Christopher A., Dayton, OH; DeSalvo, Gregory C., Beavercreek, OH; Ebel, John L., Beavercreek, OH; Dettmer, Ross W., Dayton, OH; Gillespie, James K., Cedarville, OH; Havasy, Charles K., Laurel, MD; Jenkins, Thomas J., Fairborn, OH; Nakano, Kenichi, Beavercreek, OH; Pettiford, Carl I., Beavercreek, OH; Quach, Tony K., Kettering, OH; Sewell, James S., Kettering, OH; Via, G. David, Dayton, OH, 00059892

**CORE TERMS:** layer, transistor, mask, gate, photoresist, silicon, ion, region, nitride, sequence ...

54. 6018961 , February 1, 2000 , Coolant apparatus, and associated method, for cooling an article , Venture, Darrell M., 100 Wilmington Cir. Clovis, NM 88101; Venture, Jr., Darrell M., 100 Wilmington Cir. Clovis, NM 88101, 00112431

**CORE TERMS:** refrigeration, coolant, refrigerant, evaporator, tube, compartment, coil, coiled, chilled, secondary-side ...

55. 6016023 , January 18, 2000 , Tubular ultrasonic transducer , Nilsson, Bo, Oregrund, SEX; Dahlberg, Hakan, Langbackavagen, SEX, 00075833

**CORE TERMS:** transducer, piezoelectric, gas, ultrasonic, cooling, tube, tubular, sub, thick walled, fluid ...

56. 6013580 , January 11, 2000 , Preprocessing method of metal film forming process , Yanagida, Toshiharu, Kanagawa, JPX, 08969698

**CORE TERMS:** plasma, processing, film, substrate, formation, preprocessing, bias, processed, voltage, resist ...



57. 6013153 , January 11, 2000 , Process for surface treatment of vulcanized rubber and process for production of rubber-based composite material , Koinuma, Hideomi, Tokyo, JPX; Kusano, Yukihiro, Kokubunji, JPX; Yoshikawa, Masato, Kodaira, JPX; Kato, Nobuko, Kodaira, JPX; Naito, Kazuo, Kawasaki, JPX, 00060255

CORE TERMS: vulcanized rubber, plasma, sub, gas, region, plasma-generating, rubber, generating, sup, cathode ...

58. 5993850 , November 30, 1999 , Preparation of multivesicular liposomes for controlled release of encapsulated biologically active substances , Sankaram, Mantripragada B., San Diego, CA; Kim, Sinil, Solana Beach, CA, 08305158

CORE TERMS: liposome, multivesicular, aqueous, lipid, osmolarity, concentration, biologically, cytarabine, encapsulated, osmotic ...

59. 5988438 , November 23, 1999 , Apparatus for rapid inflation of inflatable object and related method , Lewis, Donald J., Scottsdale, AZ; Olander, Donald E., Tempe, AZ; Magenot, Michael C., Phoenix, AZ, 00039261

CORE TERMS: gas, first stage, liquified, inflatable, pyrotechnic, tube, housing, inflator, volume, gases ...

60. 5986133 , November 16, 1999 , Recovery of fermentation salts from dilute aqueous solutions , Holtzapple, Mark T., College Station, TX; Davison, Richard R., Bryan, TX; Luettich, Torsten, Essen, DEX, 08885841

CORE TERMS: amine, phase, salt, aqueous, mixer, fermentation, acid, separator, extraction, heat ...

61. 5985385 , November 16, 1999 , Fire and heat protection wrap for conduits, cable trays, other electrical transmission lines and gas and oil pipelines , Gottfried, Samuel, Riverdale, NY, 08862833

CORE TERMS: layer, transmission, thermal, wrapping, electrical, heat, cable, concentric, blanket, conduit ...

62. 5972987 , October 26, 1999 , Method for removing nits from hair , Reid, Lori Fox, Dayton, TN; Kross, Robert D., Bellmore, NY, 00270350

CORE TERMS: nit, hair, composition, dye, removal, lice, solvent, shaft, propellant, eggs ...

63. 5968654 , October 19, 1999 , Modification of polymeric substrates using dense or liquified gases , Sawan, Samuel P., Tyngsborough, MA; Spall, W. Dale, Los Alamos, NM; Lee, Hung Chang, Lowell, MA, 08713156

CORE TERMS: polymeric, sub, substrate, fluorinated, compound, gamma, gas, sup, dense, fabric ...

64. 5962746 , October 5, 1999 , Process for preparing peroxides , Diffendall, George Francis, Wilmington, DE; Harding, Thomas William, Wilmington, DE; Hockman, Joseph Norman, Hockessin, DE; Krespan, Carl George, Wilmington, DE; Targett, Matthew John, Greenville, NC; Wheland, Robert Clayton, Wilmington, DE, 00128506

CORE TERMS: sub, aqueous, peroxide, organic, ultrasonic, min, stream, loaded, horn, mixer ...

65. 5962711 , October 5, 1999 , Hydrogenation of substrate and products manufactured according to the process , Harrod, Magnus, Alingsas, SEX; M.o slashed.l1er, Poul, Aarhus, SEX, 08765622

CORE TERMS: catalyst, hydrogenation, sub, hydrogen, solvent, fatty, reactor, mixture, gas, substrate ...

66. 5955823 , September 21, 1999 , High power ultrasonic transducer , Nilsson, Bo, Oregrund, SEX; Dahlberg, Hakan, Gavle, SEX, 00076112

CORE TERMS: transducer, piezoelectric, cooling, gas, ultrasonic, sub, channel, housing, hole, disk ...

67. 5954058 , September 21, 1999 , Power supply for implantable device , Flaherty, Christopher J., Topsfield, MA, 08821602

CORE TERMS: energy, chamber, valve, reservoir, electrical, fluid, converter, volume, medicant, non-electrical ...

68. 5952748 , September 14, 1999 , High speed motor with two-phase cooling system , Boldlehnex, Hans-Georg, Graz, ATX, 08750799

CORE TERMS: coolant, housing, cooling, rotor, laminations, bundle, heat, high-speed, gaseous, machine ...

69. 5947193 , September 7, 1999 , Heat pipe with embedded wick structure , Adkins, Douglas Ray, Albuquerque, NM; Shen, David S., Albuquerque, NM; Tuck, Melanie R., Albuquerque, NM; Palmer, David W., Albuquerque, NM; Grafe, V. Gerald, Corrales, NM, 08990555

CORE TERMS: heat, wick, fluid, pipe, substrate, cell, working fluid, cruciform, semiclosed, capillary ...

70. 5939568 , August 17, 1999 , Accelerated catalysis of olefinic epoxidations , Sharpless, K. Barry, La Jolla, CA; Rudolph, Joachim, Krefeld, DEX, 08842732

CORE TERMS: sub, mol., acid, mmol, epoxidation, column, substrate, pyridine, aqueous, yellow ...

71. 5937979 , August 17, 1999 , Continuosly variable fan drive clutch , Cummings, Gordon F., Rockford, IL, 08840483

CORE TERMS: clutch, fan, engine, drive, hub, housing, oil, cooling, piston, input ...

72. 5925024 , July 20, 1999 , Suction device with jet boost , Joffe, Michael A, 25 Alderbrook Ct. Wrentham, MA 02093, 08858817

CORE TERMS: nozzle, gas, compressed, suction, plume, particle, laser, compressed air, evacuation, jet ...

73. 5924304 , July 20, 1999 , Insulated holder for lunch boxes , Sanchez, Lorraine, 44 Lenhome Dr. Cranford, NJ 07016, 08932399

CORE TERMS: holder, layer, insulated, container, beverage, cool, refrigerant, lunch, plastic, box ...

74. 5910544 , June 8, 1999 , Thermoplastic elastomer composition and process for

production thereof and low permeability hose using the same , Ozawa, Osamu, Kanagawa, JPX; Kawazura, Tetsuji, Kanagawa, JPX; Kuroda, Noriaki, Kanagawa, JPX; Aoyagi, Yoshihiro, Kanagawa, JPX; Watanabe, Jiro, Kanagawa, JPX; Kawaguchi, Gou, Kanagawa, JPX, 08860251

**CORE TERMS:** thermoplastic, resin, elastomer, sup, composition, rubber, hose, nylon, gas, multidot ...

75. 5908610 , June 1, 1999 , Stable microbubble suspensions comprising saturated phospholipios for ultrasonic echography , Schneider, Michel, Troinex, CHX; Brochot, Jean, Feigeres, FRX; Puginier, Jerome, Le Chable-Beaumont, FRX; Yan, Feng, Geneva, CHX, 08883592

**CORE TERMS:** phospholipid, suspension, microbubble, bubble, concentration, sup, surfactant, gas, aqueous, preparation ...

76. 5893269 , April 13, 1999 , Crystal freezing apparatus , Fleming, Patrick J., Guilford, CT; Johnson, Gerald E., Bethany, CT; Friedman, Alan M., West Lafayette, IN, 00065784

**CORE TERMS:** macromolecular, sample, gas, chamber, crystal, rod, freezing, vial, pin, holder ...

77. 5882042 , March 16, 1999 , Connector for freon hose assembly , Lacoste, Marvin, P.O. Box 292 Kiln, MI 39556, 08717827

**CORE TERMS:** connector, freon, elbow, width, threaded, bend, forefinger, thumb, counter, slide ...

78. 5880524 , March 9, 1999 , Heat pipe lid for electronic packages , Xie, Hong, Phoenix, AZ, 08851152

**CORE TERMS:** heat, pipe, package, cavity, substrate, semiconductor device, semiconductor, integrated, external, technology ...

79. 5863520 , January 26, 1999 , Method of echographic imaging using polymeric gas or air filled microballoons , Bichon, Daniel, Montpellier, FRX; Bussat, Philippe, Collonges S/Saleve, FRX; Schneider, Michel, Troinex, CHX, 08810447

**CORE TERMS:** microballoon, polymer, phase, membrane, aqueous, suspension, carrier, hydrophobic, sup, sub ...

80. 5861473 , January 19, 1999 , Method for cleaning elastomeric articles , DeCrosta, Michelle A., Bethlehem, PA; Jagnandan, Indradat, West Orange, NJ, 08460818

**CORE TERMS:** rubber, elastomeric, phthalate, supercritical, fluid, impurity, valve, propellant, cleaning, minute ...

81. 5855266 , January 5, 1999 , Fan clutch for vehicles configured for low engine speed , Cummings, III, Gordon F., Rockford, IL, 08841426

**CORE TERMS:** clutch, fan, engine, drive, hub, oil, housing, cooling, rpm, piston ...

82. 5846443 , December 8, 1998 , Methods and apparatus for etching semiconductor wafers and layers thereof , Abraham, Susan C., San Jose, CA, 08678034

**CORE TERMS:** layer, sub, etch, gas, wafer, etching, composition, tin, photoresist, ratio ...

83. 5843289 , December 1, 1998 , Surface modification of medical implants , Lee, Dosuk D., Brookline, MA; Nagras, Atul, Somerville, MA, 08589409

**CORE TERMS:** plasma, implant, titanium, reactive, gas, etch, species, sputtering, porous, bone ...

84. 5840275 , November 24, 1998 , Ultrasonic contrast agent with polymeric gas or air filled microballoons , Bichon, Daniel, Montpellier, FRX; Bussat, Philippe, Collonges S/Saleve, FRX; Schneider, Michel, Troinex, CHX, 08291542

**CORE TERMS:** microballoon, polymer, phase, membrane, aqueous, carrier, suspension, sup, hydrophobic, sub ...

85. 5833971 , November 10, 1998 , Perfumed rocks , Baldwin, Stanley, 636 E. 92nd St. Brooklyn, NY 11236, 08876301

**CORE TERMS:** wax, composition, freshener, ingredient, patented invention, matrix, compound, perfume, dispensing, reservoir ...

86. 5833738 , November 10, 1998 , Specialty gas purification system , Carrea, Giovanni, Colorado Springs, CO; Warrick, Brian D., Colorado Springs, CO; Wickman, Lewis J., Colorado Springs, CO, 08609240

**CORE TERMS:** sub, bed, getter, gases, purification, absorber, specialty, regeneration, gas, corrosive ...

87. 5832743 , November 10, 1998 , Shell and tube type evaporator , Adamovsky, Victor, 110 The Kingsway Toronto, Ontario, M8X 2V1, CAX, 08858906

**CORE TERMS:** shell, evaporator, tube, ammonia, refrigerant, fluid, heat, brine, velocity, vapour ...

88. 5810015 , September 22, 1998 , Power supply for implantable device , Flaherty, J. Christopher, Topsfield, MA, 08523083

**CORE TERMS:** energy, chamber, valve, electrical, reservoir, fluid, converter, volume, medicant, implanted ...

89. 5803172 , September 8, 1998 , Mine shaft and adit closure apparatus and method , Rajkovich, Richard A., Aurora, MN, 08613498

**CORE TERMS:** foam, pouch, plug, borehole, shaft, adit, container, bulkhead, external, platform ...

90. 5800446 , September 1, 1998 , Article and method for dermabrading , Banuchi, Isabel M., Avenida Domanech 302 Hato Bay, PRX, 08807362

**CORE TERMS:** region, skin, dermabrasion, abrasive, finger, glove, phalange, distal, tip, epidermis ...

91. 5787715 , August 4, 1998 , Mixed gas refrigeration method , Dobak, III, John D., San Diego, CA; Radebaugh, Ray, Louisville, CO; Huber, Marcia L., Louisville, CO; Marquardt, Eric D., Lakewood, CO, 08698044

**CORE TERMS:** mixture, fluid, heat exchanger, gas, enthalpy, high pressure, heat,

low pressure, molar, cooling ...

92. 5783494 , July 21, 1998 , Selective dry etching method of undoped and doped silicon thin films , Sakurai, Takehisa, Kusatsu, JPX; Ujimasa, Hitoshi, Higashiosaka, JPX; Kawai, Katsuhiro, Yamatotakada, JPX; Ban, Atsushi, Nara, JPX; Kajitani, Masaru, Osaka, JPX; Katayama, Mikio, Ikoma, JPX, 08524886

CORE TERMS: layer, gas, sup, etching, silicon, freon-14, etch, electrode, hydrogen chloride, concentration ...

93. 5773367 , June 30, 1998 , High throughput planarization etch process for interlayer oxide films between metals and pre-metals , Jen, Jang, San Jose, CA, 08709568

CORE TERMS: etch, oxide, layer, photoresist, selectivity, ordinate, parameters, completed, helium, oxygen ...

94. 5772906 , June 30, 1998 , Mechanism for uniform etching by minimizing effects of etch rate loading , Abraham, Susan C., San Jose, CA, 08652718

CORE TERMS: layer, etch, sub, chemistry, etching, loading, wafer, stack, plasma, chemical ...

95. 5769154 , June 23, 1998 , Heat pipe with embedded wick structure , Adkins, Douglas Ray, Albuquerque, NM; Shen, David S., Albuquerque, NM; Tuck, Melanie R., Albuquerque, NM; Palmer, David W., Albuquerque, NM; Grafe, V. Gerald, Corrales, NM, 08593596

CORE TERMS: heat, wick, fluid, pipe, substrate, cell, working fluid, cruciform, semiclosed, capillary ...

96. 5768908 , June 23, 1998 , Adsorption type air conditioning using adsorbent and liquid refrigerant , Tanaka, Hisashi, Anjo, JPX; Shirota, Yuichi, Anjo, JPX; Sugi, Hikaru, Nagoya, JPX, 08723297

CORE TERMS: interior, ventilation, desiccant, refrigerant, path, tank, car, duct, exterior, tank-side ...

97. 5753073 , May 19, 1998 , High selectivity nitride to oxide etch process , Jen, Jang, San Jose, CA, 08611960

CORE TERMS: layer, oxide, nitride, selectivity, etching, plasma, etcher, etch, parameter, film ...

98. 5749991 , May 12, 1998 , Method of affixing a tubular object , Aberg, Kenneth, Taby, SEX, 08571843

CORE TERMS: handgrip, coating, glue, shaft, rubber, polymer, adhesive, club, tubular, tape ...

99. 5745238 , April 28, 1998 , Apparatus and method for non-destructive inspection and/or measurement , Long, David Clifford, Wappingers Falls, NY; Pavelka, John Blake, Beacon, NY; Stroms, Karl Friedrich, Las Vegas, NV; Weiss, deceased, Gerhard, late of LaGrangeville, NY, 07995258

CORE TERMS: membrane, flexible, inspection, inspected, foil, measurement, optical, film, reflective, chip ...

100. 5743108 , April 28, 1998 , Glycol chiller machine , Cleland, Robert K.,  
11051 Via El Merado Los Alamitos, CA 90720, 08726866

CORE TERMS: glycol, chiller, tank, coil, machine, replenishment, reservoir,  
partition, heat, chamber ...

101. 5738169 , April 14, 1998 , Heat exchanger with turbulated louvered fin,  
manufacturing apparatus and method , Stoynoff, Richard P., Woodhaven, MI,  
08554482

CORE TERMS: fin, louver, fluid, heat, turbulator, cutting edge, turbulence,  
louvered, roll, flat surface ...

102. 5729987 , March 24, 1998 , Desalinization method and apparatus , Miller,  
Joel V., 14340 Trinidad Rd. San Leandro, CA 94577, 08607383

CORE TERMS: vapor, refrigerant, heat, reservoir, region, cycle, trap, water  
vapor, salt water, potable ...

103. 5720843 , February 24, 1998 , Electrical interconnection method , Lee,  
Chang-hoon, Seoul, KRX, 08555332

CORE TERMS: substrate, particle, conductive, electrical, interconnection,  
interconnected, paste, sprayed, terminals, depositing ...

104. 5707634 , January 13, 1998 , Finely divided solid crystalline powders via  
precipitation into an anti- solvent , Schmitt, William J., Kalamazoo, MI,  
08488710

CORE TERMS: sub, solvent, anti-solvent, carrier, finely, supercritical, gas,  
injection, chamber, dissolved ...

105. 5686060 , November 11, 1997 , Stable microbubble suspensions comprising  
saturated phospholipids for ultrasound echography , Schneider, Michel, Troinex,  
CHX; Brochet, Jean, Feigeres, FRX; Puginier, Jerome, Le Chable-Beaumont, FRX;  
Yan, Feng, Meyrin, CHX, 08420677

CORE TERMS: phospholipid, suspension, microbubble, bubble, concentration, sup,  
surfactant, gas, aqueous, preparation ...

106. 5686031 , November 11, 1997 , Method for rapidly producing microporous and  
mesoporous materials , Coronado, Paul R., Livermore, CA; Poco, John F.,  
Livermore, CA; Hrubesh, Lawrence W., Pleasanton, CA; Hopper, Robert W.,  
Danville, CA, 08368823

CORE TERMS: gel, drying, aerogel, supercritical, fluid, pore, vessel,  
microporous, mold, gelation ...

107. 5681360 , October 28, 1997 , Landfill gas recovery , Siwajek, Lawrence A.,  
Bentleyville, OH; Cook, W. Jeffrey, Cleveland Heights, OH; Brown, William R.,  
Brecksville, OH, 08371136

CORE TERMS: carbon dioxide, methane, gas, contaminant, landfill, stream,  
column, absorbent, feed, processing ...

108. 5676906 , October 14, 1997 , Method of forming fine ceramics structure ,  
Hirata, Yoshihiro, Osaka, JPX, 08531158

**CORE TERMS:** mold, plastic, ceramic, fine, column, etching, vacuum, height, plasma, aspect ratio ...

109. 5672242 , September 30, 1997 , High selectivity nitride to oxide etch process , Jen, Jang, San Jose, CA, 08594930

**CORE TERMS:** layer, oxide, nitride, selectivity, plasma, etching, etcher, parameter, film, semiconductor ...

110. 5670175 , September 23, 1997 , Process for obtaining ultrapure egg oil and its use , Nawrocki, Werner C., Landvogtstrasse 4 Frankfurt am Main, D-60320, DEX, 08530349

**CORE TERMS:** viscous, phase, minute, revolutions, separated, egg yolk, separating, discarded, dried, skin ...

111. 5668251 , September 16, 1997 , Preparation of co-prepolymers from mono-substituted fluorinated monomers and tetrahydrofuran , Malik, Aslam A., Cameron Park, CA; Carlson, Roland P., Davis, CA, 08539405

**CORE TERMS:** sub, prepolymer, monomer, sup, polyurethane, oxetane, elastomer, polymer, fluorinated, mixture ...

112. 5667045 , September 16, 1997 , Continuously variable fan drive clutch arrangement , Cummings, III, Gordon F., Rockford, IL, 08532226

**CORE TERMS:** clutch, fan, engine, drive, oil, housing, hub, piston, sump, input ...

113. 5663330 , September 2, 1997 , Process for the selective sulfoxide reduction of 3-hydroxy cephem and 3- methylene cepham compounds , Zenoni, Maurizio, Paullo, ITX; Leone, Mario, Pioltello, ITX; Donadelli, Giuseppe Alessandro, Casalpusterlengo, ITX, 08576905

**CORE TERMS:** sulfoxide, compound, cephem, sub, reduction, cepham, sulfur, chlorinating, oxidized, atom ...

114. 5660229 , August 26, 1997 , Plate type heat transfer device , Lee, Yung, Ontario, CAX; Park, Hern Jin, Ansan-si, KRX, 07999380

**CORE TERMS:** heat, working fluid, cell, thermosyphon, cavities, fluid, transferred, charging, upper surface, thermal ...

115. 5658551 , August 19, 1997 , Stable microbubbles suspensions injectable into living organisms , Schneider, Michel, Troinex, CHX; Bichon, Daniel, Montpellier, FRX; Bussat, Philippe, Collonges S/Saleve, FRX; Puginier, Jerome, Le Chable-Beaumont, FRX; Hybl-Sutherland, Eva, Wiesbaden, DEX, 08456385

**CORE TERMS:** microbubble, suspension, bubble, liposome, surfactant, gas, aqueous, carrier, sup, ultrasonic ...

116. 5648122 , July 15, 1997 , Using electrical discharge surface preparation for thermal coatings , Rao, V. Durga Nageswar, Bloomfield Township, MI; Rose, Robert Alan, Groose Pointe Park, MI; Parsons, Robert S., Canton, MI; Yeager, David Alan, Plymouth, MI, 08314014

**CORE TERMS:** electrolyte, electrode, coating, electrical, gap, grit, passivation, hydrocarbon, bore, sparking ...

117. 5641016 , June 24, 1997 , Air-conditioning apparatus for vehicle use , Isaji, Akira, Nishio, JPX; Hotta, Naoto, Aichi-gun, JPX; Kondo, Yasuo, Okazaki, JPX; Takeo, Yuji, Toyoake, JPX; Tsuchiya, Shizuo, Gifu, JPX, 08364253

CORE TERMS: refrigerant, heater, hot-water, heat, heat exchanger, combustion, hot water, switching, cycle, valve ...

118. 5637522 , June 10, 1997 , Method for producing a dynamic random access memory device which includes memory cells having capacitor formed above cell transistor and peripheral circuit for improving shape and aspect ratio of contact hole in the peripheral circuit , Ikemasu, Shinichirou, Kawasaki, JPX, 08438917

CORE TERMS: layer, film, sub, insulation, hole, sio, memory, cell, semiconductor, capacitor ...

119. 5633289 , May 27, 1997 , Process for molding an integral skin foam and a polyurethane material for molding the same , Nakamura, Michihiko, Aichi-ken, JPX; Ishikake, Masanao, Aichi-ken, JPX; Kawakita, Yukio, Aichi-ken, JPX; Mabuchi, Akira, Aichi-ken, JPX; Yamanaka, Osamu, Aichi-ken, JPX, 08213014

CORE TERMS: polyurethane, cavity, mold, foaming, freon, skin, integral, vacuum, polyol, alcohol ...

120. 5616213 , April 1, 1997 , Method of dry etching InAlAs and InGaAs lattice matched to InP , Henderson, Timothy S., Richardson, TX; Plumton, Donald L., Dallas, TX, 08475722

CORE TERMS: etching, sub, sccm, inalas, inp, substrate, minute, etch, composition, reactive ...

121. 5605783 , February 25, 1997 , Pattern transfer techniques for fabrication of lenslet arrays for solid state imagers , Revelli, Joseph F., Rochester, NY; Hirsh, Jeffrey I., Rochester, NY; Jech, Joseph, Rochester, NY; Robello, Douglas R., Webster, NY; Barry, Stephen P., Albion, NY; Nutt, Alan C. G., Rochester, NY, 08369235

CORE TERMS: layer, lenslet, thin, resin, inorganic, etch-stop, organic, transparent, photosensitive, mask ...

122. 5605673 , February 25, 1997 , Stabilized microbubble compositions for ultrasound , Schutt, Ernest G., San Diego, CA; Anderson, Charles D., Lebanon, CA; Evitts, David P., La Jolla, CA, 08284083

CORE TERMS: gas, bubble, microbubble, osmotic, sub, surfactant, gases, torr, membrane, mixture ...

123. 5603222 , February 18, 1997 , Cooling method and system for a compressor of a refrigerating system , Dube , Serge, 2595 Bourgogne St. Lazare, Quebec, CAX, 08490422

CORE TERMS: compressor, oil, refrigerant, heat exchanger, gas, cool, pump, cooling, freon, reservoir ...

124. 5597549 , January 28, 1997 , Stable microbubble suspensions as enhancement agents for ultrasound echography , Schneider, Michel, Troinex, CHX; Brochot, Jean, Feigeres, FRX; Puginier, Jerome, Le Chable-Beaumont, FRX; Yan, Feng,



Geneva, CHX, 03414718

**CORE TERMS:** phospholipid, suspension, microbubble, bubble, concentration, sup, surfactant, gas, aqueous, preparation ...

125. 5597515 , January 28, 1997 , Conductive, powdered fluorine-doped titanium dioxide and method of preparation , Kauffman, James W., Edmond, OK; Palmer, Bruce R., Edmond, OK, 08534678

**CORE TERMS:** titanium dioxide, sub, fluorine, fluoride, titanium, conductive, lattice, conductivity, titania, doped ...

126. 5595661 , January 21, 1997 , Process for recover halocarbons from liquid waste slurries , Li, Michael Hsin-Chwen, Neshanic Station, NJ; Tikku, Hari K., Edison, NJ; Steinman, Marc, Livingston, NJ, 08285254

**CORE TERMS:** sub, slurry, waste, immiscible, halocarbon, column, agitator, contaminant, raffinate, optionally ...

127. 5592962 , January 14, 1997 , Compressed gas release system , Hooberman, Gideon, Haifa, ILX, 08523480

**CORE TERMS:** gas, chemical, compressed, diaphragm, external, threshold, biasing, reactants, firing pin, chemiluminescent ...

128. 5582725 , December 10, 1996 , Chlorine-resistant composite membranes with high organic rejection , McCray, Scott B., Bend, OR; Friesen, Dwayne T., Bend, OR; Barss, Robert P., Bend, OR; Nelson, Leslie D., The Dalles, OR, 08446070

**CORE TERMS:** membrane, organic, halide, acyl, ppm, polyamide, minutes, composite, feed, flux ...

129. 5578292 , November 26, 1996 , Long-lasting aqueous dispersions or suspensions of pressure-resistant gas- filled microvesicles and methods for the preparation thereof , Schneider, Michel, Troinex, CHX; Yan, Feng, Geneva, CHX; Grenier, deceased, Pascal, late of Ambilly, FRX; Puginier, Jerome, Le Chable-Beaumont, FRX; Barrau, Marie-Bernadette, Geneva, CHX, 08380588

**CORE TERMS:** gas, sub, suspension, microvesicle, gases, microbubble, microballoon, echogenic, bubble, carrier ...

130. 5573811 , November 12, 1996 , Air filter and method of construction , Townsley, David M., McKinney, TX, 08509527

**CORE TERMS:** foam, filter, layer, medium, ppi, dry, air filter, untreated, oil, polybutene ...

131. 5571762 , November 5, 1996 , Catalyst and process for the alkylation of aliphatic hydrocarbons with olefins , Clerici, Mario G., San Donato Milanese, ITX; Perego, Carlo, Carnate, ITX; de Angelis, Alberto, Legnano, ITX; Montanari, Luciano, Brescia, ITX, 08283509

**CORE TERMS:** sub, acid, catalyst, silica, triflic, fluoroalkylsulphonic, reactor, hydrocarbon, alkylation, isobutane ...

132. 5571314 , November 5, 1996 , Formulation and preparation of a gel system for the promotion of rapid solvation in aqueous systems , Supcoe, Robert F., Annapolis, MD; Felsen, Ira M., Greenbelt, MD, 05391419

**CORE TERMS:** slurry, surfactant, polymer, carrier, amphoteric, injection, solvation, anionic, resin, drag ...

133. 5571233 , November 5, 1996 , Apparatus for freezing water in a pipe at a given location , Rolland, Mark, 835 Lenox Ave., Apt. 301 Miami Beach, FL 33139; Ferris, Joseph, 835 Lenox Ave., Apt. 301 Miami Beach, FL 33139, 08578355

**CORE TERMS:** pipe, sleeve, freezing, hose, nozzle, valve, gas, coupled, pad, tank ...

134. 5569842 , October 29, 1996 , Automated system for identifying and analyzing different types of used lubricants , Silvestri, Regan L., Orange Village, OH, 08412079

**CORE TERMS:** lubricant, spectrum, sample, computer, sup, ester, sub, phosphate, organic, automatically ...

135. 5558664 , September 24, 1996 , Device for the dermal absorption of medicinal solutes , Sarzaud, F. X., 4 Square Villaret de Joyeuse F-75017 Paris, FRX; Perego, Jean, 2, rue du Cheffin F-21250 Seurre, FRX; Cabrera, A., 15, boulevard de Levallois F-92200 Neuilly-sur-Seine, FRX, 08177736

**CORE TERMS:** skin, stopper, reservoir, film, adhesive, balloon, plastic, migration, indentation, freon ...

136. 5558564 , September 24, 1996 , Faceting machine , Ascalon, Adir, 35 E. 35th St. Apt. 8H New York, NY 10016, 08368423

**CORE TERMS:** pin, lap, cutting, machine, housing, workpiece, faceting, polishing, gear, abrading ...

137. 5553391 , September 10, 1996 , Method and apparatus for heat treating webs , Bakalar, Sharon F., 510 Regenhard Ave. Moorestown, NJ 08057, 08462755

**CORE TERMS:** cylinder, burner, heat, exhaust, web, module, heated, duct, air-fuel, steam ...

138. 5550211 , August 27, 1996 , Method for removing residual additives from elastomeric articles , DeCrosta, Michelle A., Bethlehem, PA; Jagnandan, Indradat, West Orange, NJ, 08244849

**CORE TERMS:** rubber, phthalate, supercritical, fluid, impurities, elastomeric, valve, minute, propellant, elastomerc ...

139. 5540254 , July 30, 1996 , Apparatus for use in servicing and installing refrigeration systems without freon leakage , McGowan, Willie J., 801 S. 141st St. Tacoma, WA 98444; McGowan, Kenneth L., 2723 147th St. East Tacoma, WA 98445, 08299257

**CORE TERMS:** freon, refrigeration, servicing, installing, valve, leakage, fitting, connector, tank, outboard ...

140. 5535049 , July 9, 1996 , Phase and birefringence aberration correction , Bowers, Mark, Modesto, CA; Hankla, Allen, Livermore, CA, 08240898

**CORE TERMS:** beam, phase, seed, wave, laser, path, conjugated, mixing, medium, aberration ...

141. 5505891 , April 9, 1996 , Method of and apparatus for dual fluid injection molding , Shah, Chandrakant S., 4433 Clarke Troy, MI 48098, 08285188

CORE TERMS: fluid, pin, valve, thermoplastic, cavity, mold, vapor, hollow, nozzle, injection ...

142. 5503591 , April 2, 1996 , Apparatus for decontaminating substances contaminated with radioactivity , Morikawa, Kenji, Kohshoku, JPX; Shimizu, Yasuo, Kohshoku, JPX; Doi, Akira, Toguramachi, JPX, 08225398

CORE TERMS: washing, grit, solvent, organic, radioactivity, contaminated, cutting, powder, decontaminating, rinsing ...

143. 5499586 , March 19, 1996 , Soil decontamination and remediation system , Davis, Kenneth W., Mountain View, WY, 08346783

CORE TERMS: soil, drum, hydrocarbon, rotating, furnace, contaminated, conduit, gases, heat, condensing ...

144. 5497829 , March 12, 1996 , Expansion foam borehole plug and method , Rajkovich, Richard A., Aurora, MN, 08153813

CORE TERMS: pouch, foam, borehole, plug, external, hole, decking, blast, stemming, seal ...

145. 5495490 , February 27, 1996 , Immersion method and apparatus for cooling a semiconductor laser device , Rice, Robert R., Chesterfield, MO; Russek, Joe B., Fenton, MO, 08395795

CORE TERMS: laser, semiconductor, diode, coolant, array, heatsink, linear, heat, electrically, emitting ...

146. 5483755 , January 16, 1996 , Method and apparatus for drying grain material , Yang, Peng-Ta, No. 33, Lane 66, Tailien N. St. Taichung City, TWX, 08242624

CORE TERMS: grain, paddy, container, drying, freon, moisture, chamber, conduit, heating, dry ...

147. 5474652 , December 12, 1995 , Method of dry etching InAlAs and InGaAs lattice matched to InP , Henderson, Timothy S., Richardson, TX; Plumton, Donald L., Dallas, TX, 08333124

CORE TERMS: etching, sub, sccm, inalas, inp, substrate, minute, etch, composition, reactive ...

148. 5470491 , November 28, 1995 , Process for producing a thin-film magnetic head having an insulation formed of a ladder-type silicone resin , Kodama, Satoshi, Hyogo, JPX; Adachi, Hiroshi, Hyogo, JPX, 08400478

CORE TERMS: magnetic, layer, film, coil, thin-film, insulation, silicone resin, magnetic core, photoresist, protective ...

149. 5462064 , October 31, 1995 , Integrated system for biological fluid constituent analysis , D'Angelo, Joseph P., Miami, FL; Schur, Henry B., Miami, FL; Han, Kedu, Miami, FL; Glenn, Daniel J., Hollywood, FL, 08213213

CORE TERMS: layer, gel, collection, patch, analyte, body fluid, sample,

chemical, glucose, fluid ...

150. 5456027 , October 10, 1995 , Athletic shoe with a detachable sole having an electronic breakaway system , Tecchio, Vincent G., 18 Winchester Dr. Howell, NJ 07731; Salt, Russell, Allentown, NJ, 08225144

CORE TERMS: electronic, fluid, sensor, shoe, detachable, athletic, wire, latching, piston, indicator ...

151. 5453584 , September 26, 1995 , Acoustic insulation screen and its applications, particularly for protecting the payload compartment of a space launcher , Borello, Gerard, L'Union, FRX, 08269965

CORE TERMS: bag, cushion, gas, acoustic, payload, compartment, frequencies, helium, noise, launcher ...

152. 5449520 , September 12, 1995 , Pharmaceutical composition for rectal administration of active principles exhibiting a prevalently topical medication action at the colon level , Frigerio, Giuliano, Arese, ITX; Giorgetti, Enzo, Milan, ITX; Chiodini, Emilia, Marcallo con Casone, ITX, 08130624

CORE TERMS: propellant, foam, active principle, composition, surfactant, freon, pressurized, thickener, colon, turboemulsifier ...

153. 5442931 , August 22, 1995 , Simplified adsorption heat pump using passive heat recuperation , Ryan, William, Chicago, IL; Worek, William M., Downers Grove, IL; Zheng, Weixiang, Darien, IL, 08284895

CORE TERMS: fluid, ammonia, reactor, heat, vapor, cooling, heating, adsorbent, phase, heat pump ...

154. 5441596 , August 15, 1995 , Method for forming a stable plasma , Nulty, James E., San Jose, CA, 08281438

CORE TERMS: plasma, tuning, etch, stable, high power, network, voltage, tune, low pressure, matching ...

155. 5439081 , August 8, 1995 , Compressed coolant hydraulic brake rotor , Glass, Thomas V., 200 Glynn Dr. Birmingham, AL 35215, 08299825

CORE TERMS: rotor, fluid, coolant, enclosed, medium, fins, volume, brake, circumference, valve ...

156. 5434045 , July 18, 1995 , Biological support system container , Jost, Leonora I., 21 Rosewood Cir., Unit 1 Kennebunk, ME 04043, 07883896

CORE TERMS: biological, organ, tissue, oxygen, container, preservation, preserved, storage, chamber, inert gas ...

157. 5431773 , July 11, 1995 , Method of manufacturing semiconductor device , Ikeda, Mitsushi, Tokyo, JPX; Murooka, Michio, Tokyo, JPX, 07991954

CORE TERMS: layer, sub, etching, oxide, substrate, gas, anodic, alloy, selectivity, ratio ...

158. 5425521 , June 20, 1995 , Thermal spacer device , Locke, William J., Lakewood, CO, 08094550

**CORE TERMS:** channel, spacer, lattice, interconnecting, container, pallet, sidewalls, interior, endless, enclosure ...

159. 5420875 , May 30, 1995 , Steering of laser beams , Sternklar, Shmuel, Rehovot, ILX, 08058634

**CORE TERMS:** beam, pumping, steering, medium, lambda, sub, polarization, psi, wavelength, convergence ...

160. 5412535 , May 2, 1995 , Apparatus and method for cooling electronic devices , Chao, Shun-Lung, Plano, TX; McEwin, Jr., Louis W., Plano, TX, 08111106

**CORE TERMS:** heat, pipe, electronic device, tube, fin, chip, pad, cylindrical, generating, thermal ...

161. 5411902 , May 2, 1995 , Process for improving gallium arsenide field effect transistor performance using an aluminum arsenide or an aluminum gallium arsenide buffer layer , Lee, Hyong Y., Fairborn, OH; Johnson, Belinda, Dayton, OH; Reston, Rocky, Beavercreek, OH; Ito, Chris, Colorado Springs, CO; Trombley, Gerald, Centerville, OH; Havasy, Charles, Beavercreek, OH, 08254722

**CORE TERMS:** layer, sub, barrier, gaas, arsenide, ltoreq, fabricated, gallium, buffer, ohmic ...

162. 5408546 , April 18, 1995 , Optical fiber pressure transducer and method of manufacturing the same , Slaker, Bradley F., Plymouth, MN; Little, Richard L., Wayzata, MN; Funk, Bruce L., Maplewood, MN, 08160410

**CORE TERMS:** housing, fiber, membrane, optical, aperture, pressure transducer, distal, transducer, manufacturing, proximal ...

163. 5401861 , March 28, 1995 , Low temperature process for preparing alpha-anomer enriched 2-deoxy-2,2- difluoro-D-ribofuranosyl sulfonates , Chou, Ta-Sen, Indianapolis, IN, 07902301

**CORE TERMS:** sub, mixture, alpha-anomer, chloride, compound, enriched, alpha, substituted, minute, halide ...

164. 5388417 , February 14, 1995 , Bag for the recovery of used freon from an operational system , Hughes, Jr., Andrew J., 4218 E. Joppa Rd. Baltimore, MD 21236; Hughes, Michele D., 4218 E. Joppa Rd. Baltimore, MD 21236, 08257176

**CORE TERMS:** bag, freon, operational, rod, container, aperture, refrigerant, coupled, sensor, prior art ...

165. 5385793 , January 31, 1995 , Thermal management of battery systems , Tiedemann, William H., Cedarburg, WI; Newman, John, Kensington, CA, 07916965

**CORE TERMS:** collector, battery, module, cell, heat, channel, cooling, coupled, conductor, bipolar ...

166. 5385751 , January 31, 1995 , Atmospheric pressure CVD process for preparing fluorine-doped tungsten oxide films , Riaz, Umar, Ann Arbor, MI; Proscia, James W., Dearborn, MI, 08086800

**CORE TERMS:** tungsten, glass, oxide, compound, film, fluorine-doped, substrate, reactant, alkoxide, ethoxide ...

167. 5380930 , January 10, 1995 , Process for the preparation of alkoxyalkanoic acids , Fried, Herbert E., Houston, TX, 08169088  
  
CORE TERMS: sub, alkyl, carbon, nitroxide, atom, acid, alkoxyalkanol, chemical, mixture, free radical ...
168. 5374594 , December 20, 1994 , Gas-based backside protection during substrate processing , van de Ven, Everhardus P., Cupertino, CA; Broadbent, Eliot K., San Jose, CA; Benzing, Jeffrey C., San Jose, CA; Chin, Barry L., Sunnyvale, CA; Burkhardt, Christopher W., San Jose, CA, 08007457  
  
CORE TERMS: gas, platen, wafer, backside, groove, chamber, pin, station, pedestal, vacuum ...
169. 5367073 , November 22, 1994 , Asymmetric synthesis of .beta.-amino alcohols from chiral or achiral enamines , Singaram, Bakthan, Santa Cruz, CA; Fisher, Gary B., Boulder Creek, CA; Goralski, Christian T., Midland, MI; Nicholson, Lawrence W., Midland, MI, 08138613  
  
CORE TERMS: sup, chemical, sub, chiral, alcohol, ether, beta, hydroboration, enamine, amino ...
170. 5365748 , November 22, 1994 , Screw compressor ice making packaged unit , Li, Guangjing, B8-9/F., Causeway Centre Wanchai, HKX, 08166604  
  
CORE TERMS: refrigerant, ice, compressor, receiver, screw, valve, rink, low pressure, vessel, low temperature ...
171. 5360828 , November 1, 1994 , Biofoam II , Morrison, Robert L., Modesto, CA, 08215159  
  
CORE TERMS: biofoam, solvent, gel, pore, organic, foam, mixture, density, frozen, agar ...
172. 5355685 , October 18, 1994 , Purification of refrigerant , Stie, Kenneth E., Bartlesville, OK; Calame, Carl, Bartlesville, OK, 08031519  
  
CORE TERMS: refrigeration, refrigerant, controller, purge, gases, noncondensable, accumulator, psig, programmable, sub ...
173. 5354523 , October 11, 1994 , Method for dual fluid injection molding , Shah, Chandrakant C., 4433 Clarke Troy, MI 48098, 07922683  
  
CORE TERMS: fluid, thermoplastic, cavity, valve, mold, pin, vapor, nozzle, hollow, plastic ...
174. 5345534 , September 6, 1994 , Semiconductor wafer heater with infrared lamp module with light blocking means , Najm, Habib N., Dallas, TX; Huang, Steve S., Richardson, TX; Davis, Cecil J., Greenville, TX; Matthews, Robert T., Plano, TX, 08039720  
  
CORE TERMS: baffle, wafer, lamp, heating, bulb, coolant, heater, zone, passageway, ring ...
175. 5344418 , September 6, 1994 , Optical system for treatment of vascular lesions , Ghaffari, Shahriar, 13091 Pond Springs Rd., Bldg. C Austin, TX 78729-7139, 07807055

**CORE TERMS:** skin, blood, laser, vessel, cooling, gas, lamp, wavelength, radiation, lens ...

176. 5332563 , July 26, 1994 , Yellow phosphorus process to convert toxic chemicals to non-toxic products , Chang, Shih-Ger, El Cerrito, CA, 07819758

**CORE TERMS:** sub, organic, compound, aqueous, concentration, ozone, phosphorus, acid, destruction, inorganic ...

177. 5332009 , July 26, 1994 , Pressurized canister recycling apparatus and methods , Van Etten, Larry W., 124 Cherry La. Tampa, FL 33610, 08095881

**CORE TERMS:** canister, seal, bore, tank, evacuation, escapement, track, propellant, piercing, rotator ...

178. 5325680 , July 5, 1994 , Self-cooling beverage container with evacuated refrigerant receiving chamber , Baroso-Lujan, Francisco J., Cuicuilco No. 77 Col. Vertiz Narvarte, CP 03650, MXX; Galvan-Duque, Ernesto M., Seneca 41 Col. Polanco, CP 11560, MXX, 08038479

**CORE TERMS:** compartment, beverage, container, refrigerant, partition, fluid, cooling, canned, punching, high pressure ...

179. 5318636 , June 7, 1994 , Method for cleaning surfaces, in particular sensitive surfaces , Szucs, Johann, Munchen, DEX, 07870144

**CORE TERMS:** jet, refrigerant, nozzle, mixing, cleaning, region, ring, mixture, blast, cleaning agent ...

180. 5317884 , June 7, 1994 , Refrigerant pre-cooler , Lyon, Robert J., 3611 75th St. Sarasota, FL 34243, 07966425

**CORE TERMS:** freon, coil, cooling, reservoir, air conditioning, fan, fins, pipe, precooler, venturi ...

181. 5316749 , May 31, 1994 , Process for forming ammonium dinitramide salt by reaction between ammonia and a nitronium-containing compound , Schmitt, Robert J., Redwood City, CA; Bottaro, Jeffrey C., Mountain View, CA; Penwell, Paul E., Menlo Park, CA; Bomberger, David C., Belmont, CA, 07737757

**CORE TERMS:** sub, salt, compound, ammonia, nitronium-containing, dinitramide, nitronium, sup, mixture, ammonium ...

182. 5316697 , May 31, 1994 , Conductive, particulate, fluorine-doped zinc oxide , Palmer, Bruce R., Edmond, OK; Kauffman, James W., Edmond, OK, 08036528

**CORE TERMS:** vapor, phase, zinc, oxidation, particulate, zinc oxide, reactant, fluorine, combustion, conductive ...

183. 5314562 , May 24, 1994 , Consumer polyolefin primer , McDonnell, Patrick F., Dublin, IEX; Wren, Gerard M., County Kildare, IEX; Welch, II, Edward K., Bristol, CT, 08013143

**CORE TERMS:** primer, adhesive, bond, substrate, blend, bonded, heptane, cyanoacrylate, dissolved, sub ...

184. 5308987 , May 3, 1994 , Microgap x-ray detector , Wuest, Craig R., Danville, CA; Bionta, Richard M., Livermore, CA; Ables, Elden, Livermore, CA,

08011637.

**CORE TERMS:** detector, x-ray, anode, photon, electron, cathode, avalanche, resistive, gap, microgap ...

185. 5299453 , April 5, 1994 , Method for determining oil and water saturation of core samples at overburden pressure , Sprunt, Eve S., Farmers Branch, TX; Djabbarah, Nizar F., Richardson, TX, 08010250

**CORE TERMS:** sample, fluid, aqueous, hydrocarbon, solvent, oil, volume, rock, reservoir, formation ...

186. 5297619 , March 29, 1994 , Centrifugal heat pipe vapor absorption heat pump , Faghri, Amir, Dayton, OH, 07933775

**CORE TERMS:** heat, pipe, working fluid, pump, vapor-absorption, wick, vapor, fluid, heat pump, absorption ...

187. 5295207 , March 15, 1994 , Optical apparatus for measuring current in a grounded metal-clad installation , Dupraz, Jean-Pierre, Lyons, FRX; Thuries, Edmond, Meyzieu, FRX, 07977296

**CORE TERMS:** optical, fiber, cladding, disk, conductor, installation, interface, transformer, groove, enclosure ...

188. 5289150 , February 22, 1994 , Method and apparatus for superconducting trapped-field energy storage and power stabilization , Rabinowitz, Mario, Redwood City, CA, 07752307

**CORE TERMS:** superconductor, energy, coil, sub, superconducting, trapped, magnetic field, storage, stored, magnetic ...

189. 5286520 , February 15, 1994 , Preparation of fluorine-doped tungstic oxide , Proscia, James W., Dearborn, MI, 07806177

**CORE TERMS:** glass, oxide, sub, tungstic, compound, tungsten, hexafluoride, fluorine-doped, reactant, fluorine ...

190. 5276938 , January 11, 1994 , Freon recovery workstation , Cadwell, Jr., G. Mason, Kennett Square, PA; Holmes, Glenn S., Norristown, PA, 07999218

**CORE TERMS:** freon, vapor, hand tool, screen, solvent, duct, workstation, workpiece, tray, cleaning ...

191. 5275083 , January 4, 1994 , Skirted projectiles for railguns , Hawke, Ronald S., Livermore, CA; Susoeff, Allan R., Pleasanton, CA, 07964473

**CORE TERMS:** skirt, arc, projectile, rail, insulating, plasma, railgun, extinguishing, trailing, spacer ...

192. 5272491 , December 21, 1993 , Thermal ink jet print device having phase change cooling , Asakawa, Stuart D., San Diego, CA; Mohr, John A., Lincoln, NE; Stoffel, John L., San Diego, CA; Kappeler, William D., Loveland, CO; Mueller, Bruce E., Escondido, CA; Firl, Gerold G., Poway, CA, 07863521

**CORE TERMS:** printhead, print, heat, ink, phase, thermal, resistor, nozzle, substrate, sink ...



193. 5271977 , December 21, 1993 , Low permeable rubber hose , Yoshikawa, Masato, Kodaira, JPX; Niwa, Hideyuki, Sayama, JPX; Fukuura, Yukio, Sayama, JPX; Sugiyama, Hideo, Higashimurayama, JPX; Naito, Kazuo, Kawasaki, JPX, 07476728

CORE TERMS: rubber, hose, thin film, layer, inner tube, nylon, resin, adhesive, plating, dry ...

194. 5269149 , December 14, 1993 , Method for long range transcontinental and transoceanic transport of fresh chilled meat , Zeidler, Gideon, Davis, CA, 07868721

CORE TERMS: meat, chilled, container, frozen, beef, insulation, transportation, fresh, refrigerated, refrigeration ...

195. 5264108 , November 23, 1993 , Laser patterning of laminated structures for electroplating , Mayer, Steven T., San Leandro, CA; Evans, Leland B., Antioch, CA, 07941838

CORE TERMS: layer, laser, substrate, chip, interconnect, deposition, adhesion, etching, energy, inactive ...

196. 5263892 , November 23, 1993 , High efficiency heat exchanger system with glycol and refrigerant loops , Vandervart, Gerry, Niagara Falls, CAX, 07725107

CORE TERMS: coil, switch, compressor, outdoor, indoor, pump, terminal, heat, gas, fan ...

197. 5261593 , November 16, 1993 , Direct application of unpackaged integrated circuit to flexible printed circuit , Casson, Keith L., Northfield, MN; Habeck, Kelly D., Tampa, FL; Selbitschka, Eugene T., South St. Paul, MN, 07932064

CORE TERMS: solder, substrate, chip, paste, reflow, pad, flip, bump, electrical, heating ...

198. 5256178 , October 26, 1993 , Method for producing an optical fiber of halide glass, particularly an infrared permeable fiber of heavy metal fluoride glass , Schneider, Hartmut, Munich, DEX; Staudt, Armin, Munich, DEX, 08015901

CORE TERMS: sub, fiber, drying, glass, atmosphere, gas, container, acid, optical, halide ...

199. 5237834 , August 24, 1993 , Pre-chiller for ice maker , Grossel, Edward J., 4716 Garcia Ave. Sarasota, FL 34233, 07966691

CORE TERMS: waste water, fresh water, chamber, ice maker, ice, cycle, conduit, cylinder, cold, cooling ...

200. 5231772 , August 3, 1993 , Apparatus and process for recovering solvents , Hermanns, Klaus, Hunxe, DEX; Kusenber, Gerhard, Wesel, DEX; Hagenbruck, Norbert, Essen, DEX; Karthaus, Michael, Neuss, DEX, 07860288

CORE TERMS: solvent, gas, drier, nitrogen, heat exchanger, cryogenic, conduit, supplied, smaller, chamber ...

201. 5230741 , July 27, 1993 , Gas-based backside protection during substrate processing , van de Ven, Everhardus P., Cupertino, CA; Broadbent, Eliot K., San Jose, CA; Benzing, Jeffrey C., San Jose, CA; Chin, Barry L., Sunnyvale, CA; Burkhardt, Christopher W., San Jose, CA, 07554225

**CORE TERMS:** gas, platen, wafer, backside, groove, pedestal, chamber, vacuum, pin, station ...

202. 5228619 , July 20, 1993 , Thermal expansion valve , Yano, Masamichi, Tokyo, JPX; Watanabe, Kazuhiko, Sagamihara, JPX; Ikoma, Tetsurou, Kawasaki, JPX; Okayama, Takashi, Kawasaki, JPX, 07967339

**CORE TERMS:** diaphragm, refrigerant, thermal, heat, valve body, drive, expansion valve, peripheral, chamber, valve ...

203. 5226580 , July 13, 1993 , Automated heat pipe processing system , Hartle, Robert T., Cupertino, CA; McGann, Rodney, Soquel, CA; Thomas, Richard A., Sunnyvale, CA, 07858381

**CORE TERMS:** heat, pipe, casing, chamber, vacuum, welding, processing, cap, seal, charging ...

204. 5226242 , July 13, 1993 , Vapor jet dryer apparatus and method , Schwenkler, Robert S., Boise, ID, 07837221

**CORE TERMS:** vapor, processing, vessel, generation, wafer, zone, substrate, region, nitrogen, chamber ...

205. 5220929 , June 22, 1993 , Bio-compatible boot for implantable medical device , Marquit, Timothy A., San Jose, CA, 07770179

**CORE TERMS:** boot, implantable, bio-compatible, silicone rubber, smooth, tissue, container, patient, corner, sharp ...

206. 5217911 , June 8, 1993 , Method of producing a semiconductor structure including a Schottky junction , Denda, Masahiko, Itami, JPX, 07676115

**CORE TERMS:** film, etching, insulating, substrate, silicon dioxide, aperture, silicon, semiconductor, producing, diode ...

207. 5211943 , May 18, 1993 , Pharmaceutical preparation for administration by percutaneous absorption and a method for their manufacture , Azuma, Masato, Osaka, JPX; Inoue, Toshihiro, Hyogo, JPX; Kawano, Yasuaki, Saitama, JPX, 07086319

**CORE TERMS:** acid, tape, salt, preparation, adhesive, pharmaceutical, layer, rubber, fatty, dispersed ...

208. 5210440 , May 11, 1993 , Semiconductor chip cooling apparatus , Long, Jon M., Livermore, CA, 07710740

**CORE TERMS:** cooling, die, chip, semiconductor, heat, cavity, dike, port, tape, input ...

209. 5199279 , April 6, 1993 , Drum contact freezer system and method , Reynolds, Martin M., 16809 N. 59th St. Scottsdale, AZ 55254, 07744483

**CORE TERMS:** drum, freezer, refrigerant, boiling, interior, frozen, heat, layer, sprayer, stagnant ...

210. 5199165 , April 6, 1993 , Heat pipe-electrical interconnect integration method for chip modules , Crawford, Robert K., Palo Alto; Leibovitz, Jacques,

San Jose; Miller, Daniel J., San Francisco; Chen, Kim H., Fremont, CA, 07925541

CORE TERMS: heat, chip, pipe, substrate, channel, chamber, wick, working fluid, electrical, thermal ...

211. 5192194 , March 9, 1993 , Explosion proof compressor and a method for explosion proofing a compressor , Birdwell, Gaylon W., Houston, TX, 07690045

CORE TERMS: gas, compressor, housing, electrical, tight, terminal, refrigerant, responsive, gases, flammable ...

212. 5181796 , January 26, 1993 , Method for in situ contaminant extraction from soil , DeYoung, Scott H., 51 Caudatowa Dr. Ridgefield, CT 06877, 07728610

CORE TERMS: soil, volatile, contaminated, gas, chemical, energy, organic, vapor, sweep, injection ...

213. 5174975 , December 29, 1992 , Method of preparing metal carbides, nitrides, borides and the like , Laine, Richard M., Seattle, WA, 07435775

CORE TERMS: sub, precursor, hexakis, carbide, pyrolysis, sup, nitride, amide, transition, organometallic ...

214. 5174906 , December 29, 1992 , Flushing of heating, ventilating and air conditioning systems using environmentally safe materials , Henry, Richard G., Mayfield Heights, OH, 07766124

CORE TERMS: solvent, refrigerant, compressor, hydrochlorofluorocarbon, coils, cleaning, terpene, pump, air conditioning, ventilating ...

215. 5168393 , December 1, 1992 , Copper vapor laser modular packaging assembly , Alger, Terry W., Tracy, CA; Ault, Earl R., Dublin, CA; Moses, Edward I., Castro Valley, CA, 07298810

CORE TERMS: laser, container, copper, vapor, neon, packaging, power supply, electrical, computer, switch ...

216. 5167633 , December 1, 1992 , Liquid-vapor pressure reservoir for medication infusion pump , Mann, Alfred E., Los Angeles, CA; Lord, Peter C., Valencia, CA, 07619650

CORE TERMS: pump, medication, reservoir, housing, chamber, fluid, infusion, patient, bag, flexible ...

217. 5161090 , November 3, 1992 , Heat pipe-electrical interconnect integration for chip modules , Crawford, Robert K., Palo Alto, CA; Leibovitz, Jacques, San Jose, CA; Miller, Daniel J., San Francisco, CA; Chen, Kim H., Fremont, CA, 07806997

CORE TERMS: heat, chip, pipe, substrate, channel, chamber, wick, working fluid, electrical, thermal ...

218. 5157820 , October 27, 1992 , Capacitor manufacturing process , Frederick, W. Richard, Mundelein, IL, 07626263

CORE TERMS: laminate, capacitor, wound, strip, cavity, film, rack, schoopage, mold, electrode ...

219. 5156611 ; October 20, 1992 , Blood microsampling site preparation method , Haynes, John L., Chapel Hill, NC; Titus, George R., Raleigh, NC, 07474877

CORE TERMS: blood, skin, film, protective, layer, lanced, tape, hydrophobic, situ, site ...

220. 5155290 , October 13, 1992 , Prevention of breakdown behind railgun projectiles , Hawke, Ronald S., Livermore, CA, 07783664

CORE TERMS: projectile, gas, breakdown, arc, inhibiting, railgun, rail, plasma, restrike, chamber ...

221. 5152878 , October 6, 1992 , Method for electrochemical cleaning of metal residue on molybdenum masks , Datta, Madhav, Yorktown Heights, NY; Rocheleau, Karl U., St. Albans, VT, 07806993

CORE TERMS: mask, molybdenum, cleaning, residue, electrochemical, metallic, stain, sub, film, residual ...

222. 5149500 , September 22, 1992 , Compact system for recovery of sterilizing gas mixtures , Brahmabhatt, Sudhir R., Macungie, PA; Timberlake, Jr., George A., Gilbertsville, PA, 07680517

CORE TERMS: sterilizing, gas, chamber, purging, condenser, mixture, valve, cycle, disposal, diluent ...

223. 5139674 , August 18, 1992 , Method of purifying dry-cleaning solvent , Abo, Masanobu, Chiba, JPX, 07571608

CORE TERMS: lipase, solvent, immobilized, adsorbent, enzyme, sample, dry cleaning, lipid, contaminants, hydrolysis ...

224. 5138469 , August 11, 1992 , Preparation of photosensitive material to withstand a lamination process , Wood, Robert B., Hillsboro, OR; Thomas, Mark A., Lake Oswego, OR; Valimont, James L., Cheswick, PA; Littell, Jr., H. Edward, Gibsonsia, PA; Freeman, Glenn E., Tarentum, PA, 07371541

CORE TERMS: hologram, windshield, display, combiner, holographic, interlayer, optical, motorist, glass, ply ...

225. 5138193 , August 11, 1992 , Electric pulse generator of the saturable inductor type , Bruno, Charles, Issur-Tille, FRX; Roche, Michel, Dijon, FRX, 07571554

CORE TERMS: electrode, inductor, generator, terminal, coaxial, capacitor, electrically, saturable, shaping, electric ...

226. 5128382 , July 7, 1992 , Microcellular foams , Elliott, Jr., Jarrell R., Northfield Center, OH; Srinivasan, Gokul, Akron, OH; Dhanuka, Manish, Akron, OH; Akhaury, Ranjan, Akron, OH, 07794124

CORE TERMS: polymer, solvent, polymerization, foam, density, diluent, phase, particle, drying, reactor ...

227. 5124217 , June 23, 1992 , Magnetic image character recognition processes , Gruber, Robert J., Pittsford, NY; Koch, Ronald J., Webster, NY; Fuller, Timothy J., W. Henrietta, NY, 07544301

**CORE TERMS:** coner, composition, particle, polymeric, developer, dye, alcohol, resin, comprised, carrier ...

228. 5123258 , June 23, 1992 , Air conditioning system , Brown, George S., 5132 Magnolia Ridge Rd. Fruitland Park, FL 34731; Queen, James J., 29411 Jessies La. Leesburg, FL 34748, 07734628

**CORE TERMS:** van, panel, air conditioning, door, rear, engine, evaporator, condenser, cooling, compressor ...

229. 5109182 , April 28, 1992 , Method of manufacturing incandescent lamps with halogen, particularly fluorine filling and incandescent lamp manufactured by the method , Laszlo, Zoltan, Budapest, HUX, 07505842

**CORE TERMS:** envelope, lamp, incandescent, filling, halogen, fluorine, inner space, incandescent lamp, sucking, manufacturing ...

230. 5096956 , March 17, 1992 , Low-viscosity polyol composition containing potassium titanate needle crystal , Kondo, Kanemitsu, Anjo, JPX; Imokawa, Toshiaki, Niihama, JPX; Murakami, Shinichi, Niihama, JPX; Nagayasu, Hideaki, Amagasaki, JPX, 07523411

**CORE TERMS:** polyol, composition, crystal, needle, amine, potassium, polyether, titanate, salt, aromatic ...

231. 5094083 , March 10, 1992 , Stirling cycle air conditioning system , Horn, Stuart B., 3805 Acosta Rd. Fairfax, VA 22031; Walters, Buford T., 3589 N. Forestdale Ave. Woodbridge, VA 22193, 07566765

**CORE TERMS:** cooling, cooler, cold, shaft, finger, heat exchanger, cycle, magnetic, coupled, seal ...

232. 5092911 , March 3, 1992 , Method and apparatus for separation of oil from refrigerants , Williams, J. Andy, Fremont, CA; Witham, Clyde, Montara, CA, 07585486

**CORE TERMS:** refrigerant, oil, filter, contaminated, hydrocarbon, polymer, contaminants, accumulator, molecular, cartridge ...

233. 5090350 , February 25, 1992 , Method and apparatus for cleaning, coating and curing receptor substrates in an enclosed planetary array , Hammond, John M., Ontario, NY; Petropoulos, Mark, Ontario, NY; Berger, Stuart B., Rochester, NY; Nolley, Robert W., Rochester, NY, 07457926

**CORE TERMS:** substrate, coating, solvent, chamber, station, horizontal axis, curing, carousel, film, planetary ...

234. 5085395 , February 4, 1992 , Equipment security apparatus and kit , Frater, Wayne K., San Diego, CA; Spitzer, Joseph C., San Diego, CA, 07492737

**CORE TERMS:** cradle, adhesive, arm, cable, strip, kit, restraining, locking, bond, underside ...

235. 5077979 , January 7, 1992 , Two-stage Joule-Thomson cryostat with gas supply management system, and uses thereof , Skertic, Matthew M., Chatsworth, CA; Hlava, Joseph L., Woodland Hills, CA, 07497379

**CORE TERMS:** gas, cryostat, cooling, coil, second-stage, first-stage, helical,

load, heat exchanger, thermal ...

236. 5074213 , December 24, 1991 , Thermoregulator of a block cylinder used for an offset press , Kurosawa, Seiichi, No. 2225 Suzukouya Katsuramura, Ibaragigun, Ibaragi Pref., JPX, 07443867

CORE TERMS: cylinder, printing, ink, cooling, offset, oil, tube, refrigerant, roller, cooler ...

237. 5071381 , December 10, 1991 , Process for the manufacture of straw tube drift chambers , Schieber, Leonard, Huntington, NY, 07490078

CORE TERMS: tube, wire, straw, array, conductive, chamber, manufacturing, circular, particle, completed ...

238. 5070702 , December 10, 1991 , Continuously operating .sup.3 HE evaporation refrigerator for space flight , Jackson, Henry W., 222 S. Holliston #305 Pasadena, CA 91106, 07519817

CORE TERMS: evaporator, sponge, refrigerator, sup, vapor, heat, condenser-collector, capillary, evaporation, impedance ...

239. 5062018 , October 29, 1991 , Swaged head arm mounting arrangement for disc drives using shape memory alloy , Yaeger, John R., Santa Clara County, CA, 07504949

CORE TERMS: flexure, tube, phase, disc, coupling, arm, positioner, platform, memory, drive ...

240. 5056405 , October 15, 1991 , Propellant-to-inhibitor bonding system , Davidson, Thomas F., Manassas, VA; Sullivan, Evester, Washington, DC, 07621256

CORE TERMS: propellant, inhibitor, insulation, grain, bonding, vacuum, minute, forward, closure, cure ...

241. 5053012 , October 1, 1991 , Disposable pressure cuff having flow-through pressure gauge , Edwards, Floyd V., Eggertsville, NY; Strobel, Norman M., Newfane, NY, 07415068

CORE TERMS: infusion, bladder, chamber, fluid, pressure gauge, cuff, bag, gauge, outlet, valve ...

242. 5049555 , September 17, 1991 , Antagonists of specific excitatory amino acid receptors as neuroprotectants and anxiolytics , Rzeszotarski, Wacław J., Millersville, MD; Guzewska, Maria E., Pasadena, MD; Ellenberger, Suzanne R., Reisterstown, MD; Conti, Lisa H., Baltimore, MD; Ferkany, John W., Baltimore, MD; Kyle, Donald J., Baltimore, MD, 07286153

CORE TERMS: acid, compound, animal, antagonist, minute, receptor, administered, anxiolytic, hypoxic, potent ...

243. 5044172 , September 3, 1991 , Air conditioning apparatus , Inoue, Yoshinori, Takarazuka, JPX; Endo, Masao, Sennan, JPX; Miura, Shinji, Suita, JPX, 07393922

CORE TERMS: cold, cycle, cooling, accumulating, heat, compressor, air conditioning, decompressing, accumulator, condensor ...

244. 5043224 , August 27, 1991 , Chemically enhanced thermal oxidation and nitridation of silicon and products thereof , Jaccodine, Ralph J., Allentown, PA; Schmidt, deceased, Paul, late of Allentown, PA; Schmidt, executrix, Eva, Binghamton, NY, 07506589

CORE TERMS: oxidation, sub, fluorine, ambient, oxide, nitridation, silicon, concentration, chlorine, nitride ...

245. 5037281 , August 6, 1991 , Tip seal for scroll compressor , Lane, William R., Dewitt, NY; Fraser, Jr., Howard H., Lafayette, NY, 07461759

CORE TERMS: scroll, seal, tip, spring, wrap, leakage, slot, compressed, compressor, orbiting ...

246. 5031831 , July 16, 1991 , Device for cooling potable liquids , Williams, III, Joseph I., 701 Pitt St. Mt. Pleasant, SC 29464, 07480766

CORE TERMS: cooling, capillary tube, straw, chamber, filled, cylinder, drink, tube, cold, cold drink ...

247. 5027616 , July 2, 1991 , Air-cooled absorption type cooling and heating apparatus , Tongu, Shinji, Hamamatsu, JPX, 07389404

CORE TERMS: refrigerant, heat, circulation, medium, valve, vapor, evaporator, pipe, pump, separator ...

248. 5025633 , June 25, 1991 , CFC recycling system , Furmanek, Daniel J., 5750 Newhouse Rd. E. Amherst, NY 14051, 07561342

CORE TERMS: valve, tank, container, tube, collection, appliance, refrigeration, refrigerant, recycling, removal ...

249. 5024137 , June 18, 1991 , Fuel assisted electromagnetic launcher , Schroeder, Jon M., 14301 Bagdad Rd. Leander, TX 78641, 07435616

CORE TERMS: ring, propellant, cylindrical, container, launch, thermopile, coil, switch, fuel, electromagnetic ...

250. 5023032 , June 11, 1991 , Electrostrictive ceramic material including a process for the preparation thereof and applications therefor , Bailey, Alex E., Cockeysville, MD; Winzer, Stephen R., Ellicott City, MD; Sutherland, Audrey E., Eldersburg, MD; Ritter, Andrew P., Baltimore, MD, 07579205

CORE TERMS: composition, electrostrictive, dielectric constant, sub, wet, strain, pellet, khz, mixture, dependence ...

251. 5007982 , April 16, 1991 , Reactive ion etching of silicon with hydrogen bromide , Tsou, Len-Yan, New City, NY, 07217536

CORE TERMS: etching, polysilicon, plasma, silicon, oxide, layer, photoresist, etch, sub, selectivity ...

252. 5002898 , March 26, 1991 , Integrated-circuit device isolation , Fritzinger, Larry B., Bethlehem, PA; Lee, Kuo-Hua, Lower Macungie Township, Lehigh County, PA; Lu, Chih-Yuan, Lower Macungie Township, Lehigh County, PA; Sung, Janmye, Lower Macungie Township, Lehigh County, PA, 07423992

CORE TERMS: layer, oxide, silicon, etching, pad, nitride, substrate,

deposition, polysilicon, protective ...

253. 4994705 , February 19, 1991 , Water-cooled, low pressure gas discharge lamp , Linder, Jacques F., Palos Verdes, CA; Boland, Steven H., Glendora, CA, 07329050

CORE TERMS: lamp, cooling, chamber, tube, vapor, mercury, radiation, gas, fluid, low pressure ...

254. 4992561 , February 12, 1991 , Simple conversion of artemisinic acid into artemisinin , Roth, Ronald J., Fairfax, VA; Roth, Nancy A., Fairfax, VA, 07521958

CORE TERMS: acid, artemisinin, ether, solvent, artemisinic, residue, dihydroartemisinic, petroleum, diethyl, chromatography ...

255. 4992134 , February 12, 1991 , Dopant-independent polysilicon plasma etch , Gupta, Subhash, San Jose, CA; Sahota, Kashmir, Union City, CA, 07436282

CORE TERMS: polysilicon, sub, etch, wafer, etching, n-type, mixture, p-type, batch, hydrogen ...

256. 4984426 , January 15, 1991 , Closed circuit system for recycling the exhaust gases of a combustion engine , Santi, Giunio G., Via 3a Armata 6 34123 Trieste, ITX, 07343954

CORE TERMS: tank, oxygen, sub, volume, combustion, fuel, engine, gaseous, valve, overpressor ...

257. 4974062 , November 27, 1990 , Housing for opto-electronic components , Maier, Horst, Heilbronn, DEX; Pehler, Gottfried, Heilbronn, DEX, 07356239

CORE TERMS: housing, gas, pipe, heat exchanger, cooler, joule-thomson, cooling, plastic, heat, opto-electronic ...

258. 4969684 , November 13, 1990 , Structure for an easy chair, sofa and the like , Zarotti, Claudio, Via Marco Polo 7 20124 Milano, ITX, 07395301

CORE TERMS: blister, pushbutton, user, easy chair, height, layer, fluid, heater, backrest, seat ...

259. 4966481 , October 30, 1990 , Cleaning fluid dispenser and applicator , Satten, Robert, 100 Wilmot Rd. Deerfield, IL 60015; Held, Helmut, 1811 W. Summerdale Chicago, IL 60640, 07224714

CORE TERMS: fluid, container, applicator, vent, plunger, dispenser, tube, valve chamber, valve, exit ...

260. 4965861 , October 23, 1990 , Two-dimensional proportional counter for position sensitive measurement of ionizing radiation , Filthuth, Heinz A. A. W., Bahnhofstrasse 29 D-7540 Neuenburg, DEX, 07258725

CORE TERMS: grid, counting, chamber, wire, pulse, plane, specimen, cathode, counter, holder ...

261. 4962514 , October 9, 1990 , Method of calibrating a tomographic system for testing earthen cores , Hart, Timothy J., Houston, TX; Davis, Jr., Lorne A., Houston, TX, 07273541



**CORE TERMS:** phantom, tomographic, earthen, calibrating, sample, hardening, beam, calibration, cylinder, correction ...

262. 4955207 , September 11, 1990 , Combination hot water heater-refrigeration assembly , Mink, Clark B., 648 Alameda Ct. No. St. Petersburg, FL 33702, 07412347

**CORE TERMS:** heat, tank, hot water, refrigeration, fluid, pipe, inlet, compressor, condenser, cold water ...

263. 4950227 , August 21, 1990 , Stent delivery system , Savin, Michael A., Norwood, MA; Windheuser, James E., Watertown, MA; Noddin, Richard A., Holliston, MA, 07267575

**CORE TERMS:** stent, catheter, sleeve, balloon, contracted, distal, margin, body cavity, silicone, delivery ...

264. 4944044 , July 31, 1990 , Padding element for protection against shocks, particularly for a crash helmet , Zarotti, Claudio, Milan, ITX, 07323592

**CORE TERMS:** vesicle, helmet, padding, crown, fluid, user, crash helmet, shock, vapor, heat ...

265. 4941330 , July 17, 1990 , Multi-stage flash evaporator , Williamson, William R., 8310 Pilgrim Rd. Pensacola, FL 32504, 07134318

**CORE TERMS:** chamber, flash, vapor, tube, heat, inlet, condenser, bayonet, fluid, evaporator ...

266. 4940494 , July 10, 1990 , Process and equipment for cleaning large electromechanical parts , Petit, Nicaise, Rousset, FRX; Moisset, Jean-Claude, Faverges, FRX, 06708512

**CORE TERMS:** solvent, rotor, cleaning, ultrasound, tank, insulation, machine, p&gt, dynamoelectric, soiling ...

267. 4938957 , July 3, 1990 , Deodorant composition and use thereof , Iwahashi, Takashi, Sagamihara, JPX, 07187244

**CORE TERMS:** acid, monochloroacetic, mol, copolymer, ethyleneimine, admixture, oxide, deodorant, composition, polyethyleneimine ...

268. 4929386 , May 29, 1990 , Process for preparing a niobium activated yttrium tantalate X-ray phosphor , Reddy, Vaddi B., Sayre, PA, 07362721

**CORE TERMS:** sub, phosphor, mixture, phase, furnace, flux, x-ray, tantalate, milling, impurity ...

269. 4928020 , May 22, 1990 , Saturable inductor and transformer structures for magnetic pulse compression , Birx, Daniel L., Londonderry, NH; Reginato, Louis L., Orinda, CA, 07178041

**CORE TERMS:** secondary, conducting, rod, inductor, pulse, sub, saturable, winding, ring, conductor ...

270. 4926643 , May 22, 1990 , Closed loop system with regenerative heating and pump-driven recirculation of a working fluid , Johnston, Barry, 2423 Pickwick Rd. Baltimore, MD 21207, 07381909

**CORE TERMS:** working fluid, vapor, boiler, condenser, engine, energy, sub, condensate, heat, pump ...

271. 4922726 , May 8, 1990 , Heat pump system , New, David M., Homer, NY, 06936425

**CORE TERMS:** refrigerant, heat, heat pump, loop, evaporator, compressor, condenser, localized, indoor, heat exchanger ...

272. 4921691 , May 1, 1990 , Spray on wound dressing compositions , Stockel, Richard F., 475 Rolling Hills Rd. Bridgewater, NJ 08807, 06768422

**CORE TERMS:** ammonium chloride, polymer, chemical, composition, spray, propyloctadecyldimethyl, compound, wound dressing, ammonium, trimethoxysilyl ...

273. 4921163 , May 1, 1990 , Method and apparatus for temperature control of heating and cooling plants , Viessmann, Hans, Im Hain 24 3559 Battenberg/Eder, DEX, 07094139

**CORE TERMS:** heat, rated, cooling, heating, correction, zone, memory, boiler, stored, microcomputer ...

274. 4921041 , May 1, 1990 , Structure of a heat pipe , Akachi, Hisateru, Kanagawa, JPX, 07207318

**CORE TERMS:** heat, pipe, container, loop-type, radiating, stream, vapor, conductive, cooling, pure ...

275. 4920792 , May 1, 1990 , Method for determining the amount of fluid in a core , DiFoggio, Rocco, Houston, TX, 07164153

**CORE TERMS:** solvent, fluid, sample, crude, oil, hydrocarbon, gravity, extract, extracted, soxhlet ...

276. 4918220 , April 17, 1990 , Separation of toluene diisocyanate from the residues of the production thereof , Collas, Gerard, Caluire, FRX; Gros, Georges, Bourg La Reine, FRX; Sagi, Ferenc, Lyons, FRX, 07296810

**CORE TERMS:** residue, extraction, column, coextractant, sub, mixture, supercritical, diluent, heavy, compound ...

277. 4910149 , March 20, 1990 , Method and apparatus for detecting radiation , Okube, Jiro, Osaka, JPX; Moriya, Tomoyoshi, Osaka, JPX; Yoshino, Katsumi, Osaka, JPX, 06759501

**CORE TERMS:** radiation, polymer, sub, polythiophene, dose, doping, film, sup, peak, electron ...

278. 4906302 , March 6, 1990 , Solids decontamination method with ammonia , Bruya, James E., 4201 35th Ave., W. Seattle, WA 98199, 07332920

**CORE TERMS:** organic, aqueous, soil, ammonia solution, hazardous waste, ammonia, solvent, extracting, contaminated, concentration ...

279. 4904703 , February 27, 1990 , High temperature foam , Sufi, Aniq, Fountain Valley, CA, 07281203

**CORE TERMS:** isocyanate, foam, resin, additive, insulating, polyester, polyol, ingredient, polymeric, ranging ...

280. 4898183 , February 6, 1990 , Apparatus and method for insertion of cochlear electrode assembly , Kuzma, Janusz, Cherrybrook, AUX, 07368979

**CORE TERMS:** electrode, collar, insertion, gripping, cochlea, surgeon, prior art, cochlear, claws, placement ...

281. 4895709 , January 23, 1990 , Method of preparing metal carbides, nitrides, and the like , Laine, Richard M., Palo Alto, CA, 07279599

**CORE TERMS:** sub, precursor, hexakis, carbide, pyrolysis, sup, nitride, amide, transition, organometallic ...

282. 4895085 , January 23, 1990 , Method and structure for in-situ removal of contamination from soils and water , Chips, Mark D., 980 Kiely Blvd., Apt. #303 Santa Clara, CA 95051, 07142726

**CORE TERMS:** soil, vapor, combustion, contaminated, manifold, contamination, contaminant, probe, engine, fluid ...

283. 4894170 , January 16, 1990 , Liquid recovery system and method , Billmyre, Richard D., 4822 Fauna La. Indianapolis, IN 46234, 07315809

**CORE TERMS:** tank, acid, separator, spent, recovered, pickling, crystal, circulation, drying, dissolved ...

284. 4893756 , January 16, 1990 , Hydride reactor apparatus for hydrogen comminution of metal hydride hydrogen storage material , Fetcenko, Michael A., Royal Oak, MI; Kaatz, Thomas, Drayton Plains, MI; Sumner, Steven P., Warren, MI; LaRocca, Joseph, Warren, MI, 07247569

**CORE TERMS:** hydrogen, storage, alloy, vessel, hydride, cooling, ingot, port, reactor, interior ...

285. 4893415 , January 16, 1990 , Method for the drying of wood and wood-based products , Moldrup, Steen Ole, Magstraede 4 1204 Copenhagen K, DKX, 07110694

**CORE TERMS:** drying, wood, chamber, heat, vapour, condensation, vacuum, tank, heating, cooler ...

286. 4888955 , December 26, 1989 , Two phase CO.sub.2 storage tank , Tyree, Jr., Lewis, Lexington, VA; Gyger, Roger F., Naperville, IL; Rhoades, George D., La Grange, IL, 07235298

**CORE TERMS:** sub, tank, subcooled, trough, equilibrium, region, heat exchanger, valve, thermocline, psig ...

287. 4873729 , October 17, 1989 , Automatic device for the disinfection of W.C. bowls and seats , Micallef, Jacques, 14 rue Murillo F-75008 Paris, FRX, 06756435

**CORE TERMS:** lid, seat, duct, tank, folding, disinfectant, pan, folded, hole, box ...

288. 4870805 , October 3, 1989 , Method of packaging a fluid under pressure, and packaging container for use with the method , Morane, Bruno, Neuilly, FRX, 07203696

**CORE TERMS:** container, pouch, propellant, cartridge, fluid, inside, tube, dispensed, valve, packaging ...

289. 4869069 , September 26, 1989 , Integrated cascade refrigeration system , Scherer, John S., Santa Monica, CA, 07288459

**CORE TERMS:** refrigerant, compression, refrigeration, ammonia, absorption, routed, reboiler, heat, compressor, condenser ...

290. 4868294 , September 19, 1989 , Process for preparing cephalosporin intermediates , Brundidge, Steven P., Wolcott, NY; Brodfuehrer, Paul R., Syracuse, NY; Sapino, Jr., Chet, East Syracuse, NY; Shih, Kun M., East Syracuse, NY; Walker, Donald G., Liverpool, NY, 07044529

**CORE TERMS:** minute, sub, sup, compound, slurry, mmoles, stirred, dried, trimethylsilyl, dry ...

291. 4865741 , September 12, 1989 , Separation of oil into fractions of asphaltene, resins, aromatics, and saturated hydrocarbons , Nolte, David G., Houston, TX; Collings, Jr., Edwin L., Sugar Land, TX, 07289092

**CORE TERMS:** column, hydrocarbon, asphaltene, aromatic, resin, saturated, cyano, silica, fraction, oil ...

292. 4860578 , August 29, 1989 , Method and apparatus for determining the center of gravity of a spherical ball , Movick, Nyle O., 4600 Macky Way Boulder, CO 80303, 07094495

**CORE TERMS:** ball, spherical, cup, tested, golf ball, vibration, float, unbalanced, center of gravity, geometric ...

293. 4859303 , August 22, 1989 , Method and apparatus for removing coating from substrate , Kalnitsky, Alexander, Ottawa, CAX; Ellul, Joseph P., Nepean, CAX; Tay, Sing P., Nepean, CAX; Poirier, Jacques G., Kanata, CAX, 07106213

**CORE TERMS:** gas, substrate, activated, positively, species, photoresist, coating, layer, inlet, aperture ...

294. 4853980 , August 8, 1989 , Protective buffer padding element , Zarotti, Claudio, Milan, ITX, 06902409

**CORE TERMS:** blister, padding, helmet, fluid, shock, deformable, shell, user, vapor, interconnected ...

295. 4849021 , July 18, 1989 , Process for producting coal fillers , Nakai, Masayuki, Sodegaura, JPX; Uesugi, Kenji, Sodegaura, JPX; Tomura, Katsumi, Sodegaura, JPX, 07196219

**CORE TERMS:** coal, particle, slurry, oil, filler, rubber, ash, ultrafinely, agglomerate, gravity ...

296. 4845337 , July 4, 1989 , Ovenized oscillator assembly , Goldberg, Seymour, Saugus, MA; Lynch, Thomas J., Peabody, MA, 07151463

**CORE TERMS:** oscillator, gas, chamber, insulating, housing, frequency, constant, heat loss, electronic, vacuum ...

297. 4843116 , June 27, 1989 , UV light stabilizer composition comprising cyclic aliphatic epoxy, UV screener, and polyalkyldipiperidine (HALS) compounds , Bopp, Richard C., West Coxsackie, NY, 06840391

CORE TERMS: ether, compound, sup, polyphenylene, resin, composition, stabilizer, polymer, alkyl, atom ...

298. 4842045 , June 27, 1989 , Expandable radiator , Reinmuller, Donald L., Enon, OH, 07255803

CORE TERMS: sleeve, heat, heat exchange, medium, radiator, inlet, reel; expandable, prior art, collapsible ...

299. 4841998 , June 27, 1989 , Soil decontamination method , Bruya, James E., 4201 35th Ave. W. Seattle, WA 98199, 07113628

CORE TERMS: organic, soil, aqueous, ammonia solution, hazardous waste, ammonia, solvent, extracting, concentration, contaminated ...

300. 4840498 , June 20, 1989 , Self-aligning journal bearing , Lichtfuss, Gerhardt E., Rockford, IL, 07212574

CORE TERMS: ball, lubrication, pin, self-aligning, bushing, fluid, hole, rotating, film, spherical ...

301. 4836902 , June 6, 1989 , Method and apparatus for removing coating from substrate , Kalnitsky, Alexander, Ottawa, CAX; Ellul, Joseph P., Nepean, CAX; Tay, Sing P., Nepean, CAX, 07106214

CORE TERMS: substrate, chamber, activation, gas, ultraviolet radiation, coating, baffle, layer, activated, absorbing ...

302. 4826774 , May 2, 1989 , Vapochoeromic double-complex salts , Nagel, Colleen C., Arden Hills, MN, 07008864

CORE TERMS: sub, salt, vapor, monitor, isonitrile, p-c, double-complex, compound, heteroatoms, atom ...

303. 4826666 , May 2, 1989 , Method of preparing metal carbides and the like and precursors used in such method , Laine, Richard M., Palo Alto, CA, 07177860

CORE TERMS: sub, precursor, carbide, alloy, sup, pyrolyzed, pyrolysis, tungsten, solvent, organometallic ...

304. 4821530 , April 18, 1989 , Air-conditioning refrigerator , Ledbetter, Ricky G., 503 Maple St. Medford, OR 97501, 07193933

CORE TERMS: refrigerator, freezer, door, air-conditioning, compartment, freon, air conditioner, cooling, coil, condensor ...

305. 4821517 , April 18, 1989 , Actuator for producing a displacement movement on a set temperature being reached , Zarotti, Claudio, Via Marco Polo, 7 20124 Milano, ITX, 07046639

CORE TERMS: actuator, bladder, displacement, fluid, boiling, cut-in, layer, sub, passive, impervious ...

306. 4819445 , April 11, 1989 , Integrated cascade refrigeration system ,

Scherer, John S., 1021 Hill St., Suite No. 5 Santa Monica, CA 90405, 07036711

CORE TERMS: refrigerant, compression, refrigeration, ammonia, absorption, routed, reboiler, compressor, heat, pump ...

307. 4813476 , March 21, 1989 , Expandable pulse power spacecraft radiator , Mahefkey, Edward T., Beavercreek, OH, 07110809

CORE TERMS: heat, heat exchange, medium, sleeve, peak, bellows, condensation, radiator, expandable, radiating ...

308. 4812413 , March 14, 1989 , Reagent, process and kit for drug detection , Glattstein, Baruch, Jerusalem, ILX; Aserin, Abraham, Jerusalem, ILX, 07026614

CORE TERMS: reagent, cocaine, cobalt, aerosol, thiocyanate, spray, salt, identification, kit, color ...

309. 4810775 , March 7, 1989 , Process for purifying resorbable polyesters , Bendix, Dieter, Ingelheim am Rhein, DEX; Reichert, Dieter, Ingelheim am Rhein, DEX; Scharfe, Michael, Wiesbaden, DEX, 07170188

CORE TERMS: precipitation, polymer, polyester, solvent, crystalline, acid, resorbable, nozzle, poly, viscosity ...

310. 4810455 , March 7, 1989 , Balloon catheter , Pope, Jr., J. Lee, Attleboro, MA; Resden, Ronald E., Norton, MA, 07104831

CORE TERMS: balloon, catheter, coil, distal, fluid, inflation, interstitial, sleeve, wire, vent ...

311. 4805419 , February 21, 1989 , Absorption type heat exchanging apparatus , Furukawa, Tetsuro, Suita, JPX; Yoshikawa, Kensuke, Katano, JPX; Mizuuchi, Mitsuru, Nishinomiya, JPX; Furutera, Masaharu, Gose, JPX; Sakabata, Nobuharu, Osaka, JPX; Matsushita, Yoshiaki, Maizuru, JPX; Muto, Tomoyoshi, Kumamoto, JPX; Umeda, Tatsuhiko, Nara, JPX, 07162499

CORE TERMS: absorption, pump, regeneration, pipe, refrigerant, diluted, evaporation, heat, freon, concentrated ...

312. 4805410 , February 21, 1989 , Closed loop recirculation system for a working fluid with regeneration , Johnston, Barry, 1622 Q St., N.W. Washington, DC 20009, 07150435

CORE TERMS: condensate, working fluid, vapor, regeneration, valve, heat, boiler, energy, tank, condenser ...

313. 4803842 , February 14, 1989 , Direct contact cooling of foodstuffs with halocarbon heat transfer liquids , Coelho, Philip H., Folsom, CA; Comerchero, Victor, Folsom, CA, 07012197

CORE TERMS: sub, shrimp, ppm, freezing, direct contact, heat, foodstuff, migration, bath, mixture ...

314. 4800693 , January 31, 1989 , Heat insulating window unit and insulating blocking component therefor , Karlsson, Jan, Gothenburg, SEX; Fasth, Ingemar, Hisings Backa, SEX, 07180678

CORE TERMS: gas, absorption, gases, sub, band, radiation, mixture, heat,

region, wave ...

315. 4798753 , January 17, 1989 , Insulating panels containing insulating powders and insulating gases , Abuaf, Nesim, Schenectady, NY; Barito, Robert W., Louisville, KY; Downs, Kenneth L., Louisville, KY, 07157156

CORE TERMS: insulating, panel, gas, particulate, silica, freon, envelope, insulation, precipitated, fly ash ...

316. 4797239 , January 10, 1989 , Foam pig with textured surface , Cho, Hyun J., Tulsa, OK, 07036877

CORE TERMS: pig, mold, foam, pipeline, indentation, urethane, interior, diphenylmethane, diisocyanate, tough ...

317. 4794752 , January 3, 1989 , Vapor stirling heat machine , Redderson, Roy H., 100 Winchester Way Statesboro, GA 30458, 07049698

CORE TERMS: working fluid, chamber, volume, cycle, cold, hot, piston, heat, engine, regenerator ...

318. 4793897 , December 27, 1988 , Selective thin film etch process , Dunfield, John S., San Jose, CA; Taylor, Bradley J., Saratoga, CA, 07028242

CORE TERMS: sub, oxide, etch, nitride, silicon, selectivity, photoresist, etching, sif, underlayer ...

319. 4793366 , December 27, 1988 , Nicotine dispensing device and methods of making the same , Hill, Ira D., Clay Court Locust, NJ 07760, 06796883

CORE TERMS: nicotine, polymer, cigarette, microporous, smoking, user, dispensing, mixture, housing, film ...

320. 4791719 , December 20, 1988 , Method of manufacturing a thin-film magnetic head , Kobayashi, Tetsuo, Kanagawa, JPX; Tsukada, Yukihiisa, Odawara, JPX; Narishige, Shinji, Mito, JPX; Hara, Shinichi, Hitachi, JPX, 07001440

CORE TERMS: layer, magnetic, gap, oxide, mask, etching, ion, milling, thin-film, insulation ...

321. 4788824 , December 6, 1988 , Electrical power plant and method of producing electricity , Spurr, Charles A., 3000 Eighth St. Bay City, TX 77414; Spurr, James R., 8919 Concho St. Houston, TX 77036, 06902783

CORE TERMS: hydrogen, air stream, gas, valve, stream, plants, chamber, hot, electricity, control valve ...

322. 4787983 , November 29, 1988 , Method for determining the amount of oil in a sponge core , DiFoggio, Rocco, Houston, TX; Ellington, William E., Houston, TX; Dangayach, Kailash C. B., Houston, TX, 07122622

CORE TERMS: sponge, oil, solvent, formation, coring, fluid, sample, freon, polyurethane, mechanical ...

323. 4785661 , November 22, 1988 , Method for analyzing solvent extracted sponge core , Ellington, William E., Houston, TX; Calkin, Clayton L., Houston, TX, 07035111

**CORE TERMS:** solvent, sponge, oil, mixture, volume, formation, fluid, coring, extracted, disperser ...

324. 4781871 , November 1, 1988 , High-concentration liposome processing method , West, III, Glenn, San Carlos, CA; Martin, Francis J., San Francisco, CA, 06909122

**CORE TERMS:** liposome, lipid, solvent, concentration, chamber, suspension, aqueous, encapsulation, micron, medium ...

325. 4777561 , October 11, 1988 , Electronic module with self-activated heat pipe , Murphy, John E., Los Angeles, CA; Gardner, William T., Los Angeles, CA, 06716063

**CORE TERMS:** heat, module, pipe, rack, interface, thermal, electronic, card, bellows, cold ...

326. 4772357 , September 20, 1988 , System for automatically etching pieces , Carlson, Gary A., Minnetonka, MN; Mesick, Robert E., San Diego, CA, 07059113

**CORE TERMS:** station, etching, osmosis, washing, etchant, chemical, rinsing, housing, right side, pneumatic ...

327. 4768561 , September 6, 1988 , Process for sealing pipes , Hyodo, Sadahisa, Hachioji, JPX; Komatsu, Jun, Hachioji, JPX, 07022518

**CORE TERMS:** sealant, pipe, cock, aqueous, propellant, resin, emulsion, foam, sealing, region ...

328. 4764086 , August 16, 1988 , Blower for circulating larger gas volumes, in particular for high-power laser systems , Jesinger, Richard, Esslingen, DEX, 06946588

**CORE TERMS:** chamber, gas, radial, pump, drive, seal, shaft, oil, lock, blower ...

329. 4760099 , July 26, 1988 , Stabilizer-containing polyol compositions for polyurethane and polyisocyanurate foams , Canaday, John S., Tampa, FL; Skowronski, Michael J., Clearwater, FL; Londrigan, Michael E., Clearwater, FL, 06945435

**CORE TERMS:** polyol, foam, acid, polyester, mixture, glycol, blend, stabilizer, polyurethane, amine ...

330. 4758024 , July 19, 1988 , Composite flanged coupling structure , Kaempen, Charles E., 3202 Larkstone Dr. Orange, CA 92669, 07033575

**CORE TERMS:** sub, ply, coupling, spring, composite, twine, flange, strand, load, filament ...

331. 4756310 , July 12, 1988 , System for cooling an area of the surface of an object , Bitterly, Jack G., Woodland Hills, CA, 06673509

**CORE TERMS:** heat exchanger, valve, skin, cooling, sub, vessel, heat, orifice, ring, solenoid ...

332. 4755352 , July 5, 1988 , System of generating electricity using a swimming pool type nuclear reactor , Glen, John S., Deep River, CAX; Hinds, Henry W.,



Buchanan, CAX, 06734144

CORE TERMS: reactor, heat, pool, electricity, pump, fluid, swimming pool, turbine, engine, nuclear reactor ...

333. 4754439 , June 28, 1988 , Means for obtaining shear wave velocities , Hanson, Kenneth E., Broken Arrow, OK; Thomsen, Leon A., Tulsa, OK; Sondergeld, Carl H., Broken Arrow, OK; Rai, Chandra S., Tulsa, OK, 06797715

CORE TERMS: velocity, fluid, wellbore, shear, acoustic, formation, wave, logging, density, logged ...

334. 4752425 , June 21, 1988 , High-encapsulation liposome processing method , Martin, Francis J., San Francisco, CA; West, III, Glenn, San Carlos, CA, 06908765

CORE TERMS: liposome, lipid, solvent, concentration, chamber, suspension, aqueous, encapsulation, micron, medium ...

335. 4749110 , June 7, 1988 , Spray can , Maeno, Kunio, Aichi, JPX; Murachi, Tatsuya, Aichi, JPX, 07009599

CORE TERMS: spray, treating, solvent, aforementioned, filled, composition, door, silane, gas, repellent ...

336. 4744786 , May 17, 1988 , Infusion pump , Hooven, Michael D., Miami, FL, 06875106

CORE TERMS: syringe, pump, infusion, housing, piston, fluid, barrel, gas, viscous, needle ...

337. 4742873 , May 10, 1988 , Subterranean flood tracer process , Craig, III, Forrest F., Spring, TX, 07024768

CORE TERMS: tracer, formation, injection, fluid, carbon dioxide, injected, subterranean, compound, motive, flooding ...

338. 4742026 , May 3, 1988 , Method for the selective dry etching of layers of III-V group semiconductive materials , Vatus, Jean, Verrieres le Bouisson, FRX; Chevrier, Jean, Gif sur Yvette, FRX, 07042819

CORE TERMS: layer, etching, sub, ion, transistor, gaas, plasma, metallization, gate, reactive ...

339. 4738732 , April 19, 1988 , Self cleaning liquid solder flux , Anderson, Edward A., Yorba Linda, CA; Sandi, Ernesto S., Montebello, CA; Cammarata, James C., Chatsworth, CA, 07010872

CORE TERMS: flux, acid, hydrofluoric acid, solder, organic, solvent, soldering, ethyl alcohol, evaporative, rating ...

340. 4735081 , April 5, 1988 , Method and apparatus for detecting presence and concentration of vapors in gaseous fluids , Luoma, Gregory A., Victoria, CAX; Yee, Lannie K., Saanichton, CAX; Turnham, Barrie D., Victoria, CAX, 06827057

CORE TERMS: crystal, concentration, fluid, vapour, frequency, channel, sample, monitoring, oscillator, detector ...

341. 4734145 , March 29, 1988 , Method for making a magnetic transducer head cleaning card , Monia, Victor, Santa Clara, CA, 06909613

CORE TERMS: card, layer, solvent, fabric, region, color, transducer, cleaning, machine, heat ...

342. 4733467 , March 29, 1988 , Method and apparatus for cooling a razor , Borenstein, Charles, 445 N.E. 195th St. North Miami Beach, FL 33179, 06874590

CORE TERMS: razor, receptacle, cooling, coolant, blade, container, cap, shave, nozzle, user ...

343. 4731958 , March 22, 1988 , Substrate for thin film electroluminescent display panel , Kishishita, Hiroshi, Nara, JPX; Mizukami, Etsuo, Nara, JPX; Endo, Yoshihiro, Nara, JPX; Horita, Takaaki, Tenri, JPX; Uede, Hisashi, Wakayama, JPX, 06819004

CORE TERMS: substrate, glass, display, layer, hydrolytic, electrode, film, dielectric, transparent, panel ...

344. 4730665 , March 15, 1988 , Apparatus for cooling high-density integrated circuit packages , Cutshaw, John M., Scottsdale, AZ, 06909182

CORE TERMS: coolant, package, chamber, housing, spheroid, integrated, heat, conductive, cooling, sidewall ...

345. 4730460 , March 15, 1988 , Ultra - rapid plasma freezing with halocarbon heat transfer liquids , Coelho, Philip H., Folsom, CA; Comerchero, Victor, Folsom, CA, 07012196

CORE TERMS: plasma, sub, bag, freezing, bottle, heat, migration, mixture, ppm, direct contact ...

346. 4729319 , March 8, 1988 , Controlled explosion projectile ejection system , Orlando, Edward, 823 Georgia St. Key West, FL 33040, 07010328

CORE TERMS: valve, gas, projectile, chamber, input, controller, bore, combustible, spark, trigger ...

347. 4727932 , March 1, 1988 , Expandable pulse power spacecraft radiator , Mahefkey, Edward T., Beavercreek, OH, 06875808

CORE TERMS: heat, heat exchange, medium, sleeve, peak, bellows, condensation, radiator, expandable, volume ...

348. 4727720 , March 1, 1988 , Combination ice mold and ice extractor , Wernicki, Paul F., 4501 NE. 21 Ave., #308 Fort Lauderdale, FL 33308, 06854145

CORE TERMS: ice, extractor, evaporator, mold, heat, module, condenser, machine, sink, freezing ...

349. 4724171 , February 9, 1988 , Process for protecting polished silicon surfaces , Lampert, Ingolf, Burghausen, DEX, 06923133

CORE TERMS: wafer, silicon, layer, reagent, hexamethyldisilazane, polished, oxidation, oxidative, cleaning, chamber ...

350. 4722765 , February 2, 1988 , Process for preparing printed circuits ,

St. Paul, MN, 06436197

**CORE TERMS:** adhesive, fabric, screen, cyanoacrylate, frame structure, printing, taut, serigraphic, bonding, utilized ...

360. 4699709 , October 13, 1987 , Recovery of a carbonaceous liquid with a low fines content , Peck, Lawrence B., Glen Ellyn, IL, 06774560

**CORE TERMS:** bitumen, solvent, fine, dissolved, solubility, parameter, carbonaceous, undissolved, sand, mixture ...

361. 4694375 , September 15, 1987 , Additives to prevent electrostatic charge buildup in fluids in high voltage systems , Devins, John C., Burnt Hills, NY; Dranchak, Matthew A., Mt. Laurel, NJ; Rzaad, Stefan J., Rexford, NY, 06360264

**CORE TERMS:** additive, coolant, fluid, high voltage, insulating, electrical, conductivity, conduit, ionic, petroleum ...

362. 4693118 , September 15, 1987 , Pneumatic tire leak detector , Roberts, Simon, 30543 Shoreham Southfield, MI 48076, 06856007

**CORE TERMS:** tire, pigment, leak, valve, powdered, propellant, container, fitting, outlet, suspension ...

363. 4693087 , September 15, 1987 , Method of generating power from a vapor , Lagow, Ralph J., Anahuac, TX, 06844583

**CORE TERMS:** piston, volume, high pressure, low pressure, vapor, cylinder, working fluid, variable, valve, heat ...

364. 4692150 , September 8, 1987 , Tamper evident band , Cianci, James P., Gary, IL; Gross, James R., St. Charles, IL, 06780042

**CORE TERMS:** band, catheter, drainage tube, adapter, connector, distal, tab, drainage, tamper-evident, proximal ...

365. 4686760 , August 18, 1987 , Method of making photoelectric conversion device , Yamazaki, Shunpei, Tokyo, JPX, 06846514

**CORE TERMS:** sub, electrode, semiconductor, layer, laminate, non-single-crystal, substrate, oxide, groove, conductive ...

366. 4685778 , August 11, 1987 , Process for nuclear hardening optics and product produced thereby , Pollock, David B., 13026 Percivale Dr. Huntsville, AL 35803, 06861962

**CORE TERMS:** substrate, beryllium, mirror, vapor, optical, coating, precision, completing, coated, grade ...

367. 4680001 , July 14, 1987 , Passive mold cooling and heating system , Waters, Michael A., Elk Grove Village, IL, 06827827

**CORE TERMS:** mold, cooling, fluid, heat exchanger, heat, conduit, molding, closed loop, heating, pump ...

368. 4679986 , July 14, 1987 , Energy conserving refrigeration apparatus and method , Dupre, Milburn E., 2105 Chapel Dr. Fairborn, OH 45324, 06673320

**CORE TERMS:** compressor, refrigerant, refrigeration, piston, energy, compression, chamber, vacuum, gas, cycle ...

369. 4670294 , June 2, 1987 , Photoelectric conversion device and its manufacturing method , Yamazaki, Shunpei, Tokyo, JPX, 06620171

**CORE TERMS:** sub, electrode, semiconductor, layer, laminate, non-single-crystal, substrate, conductive, groove, oxide ...

370. 4664392 , May 12, 1987 , Seal assembly for a vehicle air conditioning compressor , Hatch, Frederick R., Ann Arbor, MI, 06857399

**CORE TERMS:** seal, annular, shaft, compressor, housing, sealing, sleeve, main body, periphery, inwardly ...

371. 4660629 , April 28, 1987 , Continuously acting adsorption devices and process for their operation , Maier-Laxhuber, Peter, Saumweberstrasse 14 8000 Munchen 60, DEX; Kaubek, Fritz, Gasparistrasse 5 A 8000 Munchen 71, DEX, 06668028

**CORE TERMS:** adsorption, heat, container, zone, carrier, segment, cooling, heating, boiling, rotational ...

372. 4644803 , February 24, 1987 , Force measurement apparatus and method , Ward, Roger W., Salt Lake City, UT, 06797599

**CORE TERMS:** housing, density, fluid, gas, tuning fork, frequency, vibration, bellows, tines, measurement ...

373. 4644796 , February 24, 1987 , Pressure measurement apparatus and method , Ward, Roger W., Salt Lake City, UT, 06808351

**CORE TERMS:** housing, density, fluid, gas, tuning fork, frequency, vibration, bellows, tines, measurement ...

374. 4642987 , February 17, 1987 , Process and equipment for the utilization of geothermic energy , Csorba, Istvan, Budapest, HUX; Szekely, Lajos, Budapest, HUX; Bodas, Sandor, Budapest, HUX, 06579809

**CORE TERMS:** vapor, pipe, producing, heat, rock, energy, sub, geothermic, evaporation, thermal ...

375. 4642893 , February 17, 1987 , Shaving cooler , Borenstein, Charles, North Miami Beach, FL, 06710419

**CORE TERMS:** razor, cannister, receptacle, nozzle, fluid, shaving, elongate, funnel, cool, irregularities ...

376. 4640340 , February 3, 1987 , Heated or cooled steering wheel , Noda, Kazushi, Inazawa, JPX; Komatsu, Moriyuki, Nagoya, JPX; Mitsunaga, Hiroshi, Hirakata, JPX, 06663978

**CORE TERMS:** heat, transducer, thermoelectric, steering wheel, generating, absorbing, ring, gripping, skin layer, driver ...

377. 4637071 , January 13, 1987 , Optical actuator , Pitt, Gillies D., Saffron Walden, GB2; Batchelder, David N., London, GB2; Jones, Roger E., Little Shelford, GB2; Neat, Rosamund C., London, GB2, 06675677

CORE TERMS: optical, fibre, actuator, radiation, freon, strip, heat, rod, capsule, actuation ...

378. 4633912 , January 6, 1987 , Hose construction , Pilkington, Mervin V., Akron, OH; Cole, Robert W., Sun Prairie, WI; Schisler, Robert C., Akron, OH, 06739659

CORE TERMS: hose, layer, friction, reinforcement, elastomeric, adhesive, rubber, calcium, tube, polyamide ...

379. 4631801 , December 30, 1986 , Method of making photoelectric conversion device , Yamazaki, Shunpei, Tokyo, JPX, 06776806

CORE TERMS: sub, electrode, semiconductor, layer, laminate, non-single-crystal, substrate, groove, photoelectric, conversion ...

380. 4628696 , December 16, 1986 , Heat generating system and method , Rodgers, Steven S., Hudson, NY, 06617588

CORE TERMS: heat, refrigerant, zone, compressor, evaporator, medium, heat exchange, superheated, evaporated, container ...

381. 4626197 , December 2, 1986 , Space heater , Kumazawa, Katsuyoshi, Yamato, JPX; Ohtsuki, Toshio, Yokohama, JPX; Komori, Minoru, Ebina, JPX, 06716457

CORE TERMS: wick, cylinder, combustion, heat, heating, pipe, combustion chamber, exposed, kerosene, region ...

382. 4623497 , November 18, 1986 , Passive mold cooling and heating method , Waters, Michael A., Elk Grove Village, IL, 06675877

CORE TERMS: mold, cooling, fluid, heat, heat exchanger, conduit, molding, closed loop, pump, heating ...

383. 4619691 , October 28, 1986 , Method of manufacturing ultra-fine particles , Araya, Takeshi, Higashikurume, JPX; Matsunawa, Akira, Nishinomiya, JPX; Katayama, Seiji, Suita, JPX; Hioki, Susumu, Kashiwa, JPX; Ibaraki, Yoshiro, Ibaraki, JPX; Endo, Yoshishige, Ibaraki, JPX, 06795083

CORE TERMS: energy, particle, gas, ultra-fine, laser, sub, plume, ambient, generation, arc ...

384. 4618427 , October 21, 1986 , Method of treating and breaking up a liquid with the help of centripetal force , Venas, Karl, Saupstad, NOX, 06694116

CORE TERMS: rotor, hole, gas, molten, magnesium, granules, rotating, hollow, treating, shaft ...

385. 4616400 , October 14, 1986 , Process for fabricating a double recess channel field effect transistor , Macksey, Harry M., McKinney, TX; Hudgens, Rick D., Irving, TX, 06684523

CORE TERMS: layer, recess, photoresist, gate, etched, masking, double, gas, epitaxial, field effect transistor ...

386. 4614091 , September 30, 1986 , Process and device for cooling in containers , Frank, Martin, Frankenforster Strasse 8 5060 Berg. Gladbach 1, DEX;

Plassmeier, Klaus, Vordersten Buchel 61 5064 Rosrath (Hoffnugsthal), DEX, 06733571

CORE TERMS: cooling, container, pipe, heat, effective, dry-ice, cooling system, sub, interior, drawer ...

387. 4613115 , September 23, 1986 , Temperature compensated gas spring , Smith, Richard C., Pittsburgh, PA, 06719633

CORE TERMS: gas, spring, volume, piston, rod, secondary, casing, inner tube, equation, tube ...

388. 4612798 , September 23, 1986 , Pneumatic tire leak detector and method , Roberts, Simon, 30543 Shoreham Southfield, MI 48076, 06750591

CORE TERMS: tire, pigment, leak, valve, powdered, propellant, container, fitting, outlet, suspension ...

389. 4612332 , September 16, 1986 , Novel polymeric foams and foaming compositions , Bock, Jan, Bridgewater, NJ; Downs, Hartley H., Annandale, NJ; Siano, Donald B., Lebanon, NJ; Pace, Salvatore J., Glen Gardner, NJ, 06808035

CORE TERMS: foam, polymer, surfactant, concentration, copolymer, aqueous, phase, gas, acrylamide, surface tension ...

390. 4611471 , September 16, 1986 , Ice making apparatus particularly for an ice rink , Ohashi, Kazuo, Tokyo, JPX, 06691269

CORE TERMS: pipe, freezing, ice, thickness, rink, soft steel, coating, layer, refrigerant, synthetic resin ...

391. 4611361 , September 16, 1986 , Sheet materials for cleaning conveying rolls and guides of a facsimile apparatus , Shinkai, Takashi, Tokushima, JPX, 06709287

CORE TERMS: sheet, rolls, conveying, impregnated, cleaning fluid, absorbent, inside, nip, facsimile, delivery ...

392. 4610863 , September 9, 1986 , Process for forming transparent aerogel insulating arrays , Tewari, Param H., Milpitas, CA; Hunt, Arlon J., Oakland, CA, 06772528

CORE TERMS: aerogel, drying, transparent, alcohol, array, supercritical, alcogel, window, solvent, gel ...

393. 4606405 , August 19, 1986 , Heat transfer wall , Nakayama, Wataru, Kashiwa, JPX; Nakajima, Tadakatsu, Ibaraki, JPX; Kuwahara, Heikichi, Ibaraki, JPX; Yasukawa, Akira, Ibaraki, JPX; Daikoku, Takahiro, Ibaraki, JPX; Yoshida, Hiromichi, Hitachi, JPX, 06701161

CORE TERMS: heat, void, sub, bubble, boiling, delta, vapor, lid, groove, sup ...

394. 4605470 , August 12, 1986 , Method for interconnecting conducting layers of an integrated circuit device , Gwozdz, Peter S., Cupertino, CA; Bath, Hubert M., Saratoga, CA, 06743205

CORE TERMS: layer, insulating, photoresist, micron, sloped, thickness, conductor, etch, oversized, conducting ...

395. 4604090 , August 5, 1986 , COMPACT IMPLANTABLE MEDICATION INFUSION DEVICE , Reinicke, Robert H., Mission Viejo, CA, 06554197

CORE TERMS: medication, chamber, reservoir, manifold, filter, inlet, check valve, pumping, insert, diaphragm ...

396. 4597565 , July 1, 1986 , TEMPERATURE COMPENSATED GAS SPRING MECHANISM , Smith, Richard C., Pittsburgh, PA, 06644498

CORE TERMS: gas, sub, spring, rod, secondary, nitrogen, vapor, volume, equation, cylinder ...

397. 4597161 , July 1, 1986 , METHOD OF MAKING PHOTOELECTRIC CONVERSION DEVICE , Yamazaki, Shunpei, Tokyo, JPX, 06722006

CORE TERMS: sub, semiconductor, electrode, substrate, layer, laminate, non-single-crystal, photoelectric, conductive, conversion ...

398. 4596558 , June 24, 1986 , PULSED EXTERNAL MEDICATION DISPENSER , Smith, Timothy J. N., Kingston, CAX; van Eyken, Alois J., Kingston, CAX, 06775997

CORE TERMS: container, valve, injection, patient, port, pipe, pulse, electrical, metering, catheter ...

399. 4594997 , June 17, 1986 , SELF ACTUATED PENILE IMPLANT , Hakky, Said I., 185 Dagenham Road Rush Green, Romford, Essex RM7 OTL, GB2, 06670832

CORE TERMS: prosthesis, fluid, reservoir, chamber, bellows, collar, cylinder, rigid, rear, tube ...

400. 4592590 , June 3, 1986 , Hydraulic lifting mechanism for a chair or the like using a two phase working fluid , Slaats, Mathew A., Jasper, IN; Strange, Patrick E., Jasper, IN, 06770833

CORE TERMS: hydraulic, chamber, volume, flexible, reservoir, bag, lifting, conduit, working fluid, phase ...

401. 4586346 , May 6, 1986 , Gravity cooling coil device , St-Pierre, Guy, 1057 Montee Ste. Julie, Quebec, CAX, 06717654

CORE TERMS: coil, column, cooling, condensate, pan, evaporator, gravity, ceiling, channel, trough ...

402. 4586241 , May 6, 1986 , Photoelectric conversion device manufacturing method , Yamazaki, Shunpei, Tokyo, JPX, 06620098

CORE TERMS: sub, electrode, semiconductor, layer, laminate, non-single-crystal, substrate, groove, photoelectric, conversion ...

403. 4583749 , April 22, 1986 , Seal assembly for a vehicle air conditioning compressor , Hatch, Frederick R., Ann Arbor, MI, 06697429

CORE TERMS: seal, annular, shaft, compressor, housing, sealing, sleeve, main body, periphery, inwardly ...

404. 4582108 , April 15, 1986 , Tireinflation/deflation system , Markow, Edward G., Oakdale, NY; Kirsch, Jerome, Dix Hills, NY; Kopsco, M. Alan, Wantagh, NY,

06634420

**CORE TERMS:** tire, wheel, gas, valve, inflation, deflation, generator, pulse, switch, transmitter ...

405. 4581225 , April 8, 1986 , Sustained release intranasal formulation and method of use thereof , Su, Kenneth S. E., Indianapolis, IN; Campanale, Kristina M., Noblesville, IN; Wilson, Harve C., Martinsville, IN, 06695491

**CORE TERMS:** dobutamine, oleic acid, intranasal, sub, cannister, composition, catecholamine, emulsifier, compound, hydrochloride ...

406. 4579564 , April 1, 1986 , Polishing pad for a fine finish , Smith, Robert S., 1263 Emory St. San Jose, CA 95126, 06692506

**CORE TERMS:** particle, polishing, polyol, medium, silica, foam, mix, polished, abrasive, silicate ...

407. 4578406 , March 25, 1986 , Conductive polyurethane foam and process of contacting a polyurethane foam with a mixture of swelling agent and chemical additive , Volz, Robert A., West Chester, PA, 06684012

**CORE TERMS:** foam, additive, chemical, polyurethane, swelling, quaternary, ammonium, resistivity, polymer, fuel ...

408. 4578184 , March 25, 1986 , Process for non-destructive separation of mixtures containing plastics scrap , Rasmussen, Erik, Klampenborg, DKX, 06530578

**CORE TERMS:** plastics, mixture, scrap, hydrocarbon, separating, density, cable, halogenated, fraction, freon ...

409. 4574639 , March 11, 1986 , Pressure force measurement apparatus and method , Ward, Roger W., Salt Lake City, UT, 06506314

**CORE TERMS:** housing, density, fluid, gas, tuning fork, frequency, vibration, bellows, tines, measurement ...

410. 4574097 , March 4, 1986 , Reinforced thixotropic gel composition , Honeycutt, Travis W., Irvine, CA, 06639339

**CORE TERMS:** composition, fibers, spheres, alpha, gel, monomer, thixotropic, esters, adhesive, solvent ...

411. 4572777 , February 25, 1986 , Recovery of a carbonaceous liquid with a low fines content , Peck, Lawrence B., Glenn Ellyn, IL, 06584719

**CORE TERMS:** bitumen, solvent, fine, dissolved, solubility, carbonaceous, parameter, sand, undissolved, mixture ...

412. 4570452 , February 18, 1986 , Earth-type heat exchanger for heat pump systems , Bingham, Grady A., Morehead City, NC, 06728232

**CORE TERMS:** coil, conduit, casing, exchanger, fluid, heat exchanger, path, tube, pipe, earth ...

413. 4563156 , January 7, 1986 , Rescue apparatus , Bissig, Josef E., 175 Emil Frey-Strasse CH-4142 Munchenstein, CHX, 06589065



**CORE TERMS:** floating, housing, rescue-unit, bottle, retainer, valve, leg, gas, spring, compressed ...

414. 4553457 , November 19, 1985 , Machining a cooled cylindrical optic to compensate for pressure distortion , Eitel, Frederick G., North Palm Beach, FL, 06505166

**CORE TERMS:** fluid, optical, cylindrical, optic, coolant, adapter, machining, finish, heat exchanger, mirror ...

415. 4548257 , October 22, 1985 , Bayonet tube heat exchanger , Williamson, William R., 8310 Pilgrim Rd. Pensacola, FL 32504, 06617760

**CORE TERMS:** tube, bayonet, sheath, fluid, shell, tube sheet, heat exchanger, heat, zone, chamber ...

416. 4529638 , July 16, 1985 , Thermal insulator , Yamamoto, Ryoichi, Neyagawa, JPX; Matsuo, Yoshihiro, Neyagawa, JPX; Mikoda, Masanari, Neyagawa, JPX; Asada, Yoshihiro, Yao, JPX, 06327018

**CORE TERMS:** insulation, container, powder, evacuated, vacuum, insulator, resin, plastics, layer, gas ...

417. 4526013 , July 2, 1985 , Environmental protection system , Joy, John R., Brighton, MI, 06434857

**CORE TERMS:** vapor, heat, condenser, generator, cycle, burner, filter, crew compartment, working fluid, compressor ...

418. 4525242 , June 25, 1985 , Desalting system utilizing solar energy , Iida, Tomimaru, 5-20-11, Todoroki, Setagaya-ku Tokyo, JPX, 06396827

**CORE TERMS:** seawater, heat, pipe, medium, heat-transfer, steam, heated, heat exchange, heat exchanger, collector ...

419. 4516629 , May 14, 1985 , Earth-type heat exchanger for heat pump system , Bingham, Grady A., Morehead City, NC, 06421143

**CORE TERMS:** coil, conduit, casing, exchanger, fluid, heat exchanger, path, tube, pipe, earth ...

420. 4513821 , April 30, 1985 , Lowering CO.sub.2 MMP and recovering oil using carbon dioxide , Shu, Winston R., Dallas, TX, 06576696

**CORE TERMS:** formation, oil, carbon dioxide, reservoir, sub, fluid, miscibility, injection, miscible, injecting ...

421. 4513346 , April 23, 1985 , Means to improve the dielectric performance of an insulative conduit with a flow of liquid dielectric coolant therein , Devins, John C., Saratoga, NY, 06488913

**CORE TERMS:** conduit, insulative, dielectric, coolant, conductance, path, high voltage, electrical, voltage, conductor ...

422. 4511589 , April 16, 1985 , Pasteurization of eggs , Padly, Yvan, La Tour-de-Peilz, CHX; Borgeaud, Roger, Vevey, CHX, 06483129

**CORE TERMS:** egg, vessel, pasteurisation, cooled, scraped, heat exchanger,

retention, sterile, minutes, conveniently ...

423. 4511556 , April 16, 1985 , Inactivation of a lipid virus , Purcell, Robert H., Boyds, MD; Feinstone, Stephen M., Washington, DC, 06386991

CORE TERMS: virus, chloroform, hepatitis, sub, chimpanzee, plasma, sup, viruses, lipid, vial ...

424. 4508756 , April 2, 1985 , Method for inhibiting oxidation of a copper film on ceramic body , Senda, Atsuo, Ootsu, JPX; Kasanami, Tohru, Otokuni, JPX; Nakagawa, Takuji, Kyoto, JPX, 06389251

CORE TERMS: copper, film, ceramic, compound, electrode, halide, hydrocarbon, plating, semiconductive, subjected ...

425. 4507935 , April 2, 1985 , Overheat detecting device of an air conditioning system for automotive vehicles , Madarame, Michimasa, Konan, JPX; Ueda, Kaichi, Konan, JPX, 06487520

CORE TERMS: refrigerant, detecting, diaphragm, overheat, evaporator, pipe, outlet, compressor, inlet, refrigerating ...

426. 4505710 , March 19, 1985 , Implantable fluid dispensing system , Collins, Earl R., 801 Craig Ave. La Canada, CA 91011, 06494544

CORE TERMS: diaphragm, chamber, reservoir, fluid, dispensing, valve, heater, external, volume, container ...

427. 4504524 , March 12, 1985 , Process for the remote coating of the surfaces of a cavity, as well as the application of this process , Auchapt, Pierre R., Bagnols, FRX; Ferlay, Aime J., Laudun, FRX, 06447656

CORE TERMS: cavity, enclosure, plug, container, toxic, solvent, dust, freon, coupled, silicone ...

428. 4501122 , February 26, 1985 , Liquid piston heat pump , Cutler, Donald R., Bolingbrook, IL, 06526461

CORE TERMS: piston, condenser, evaporator, vapor, heat, enclosure, volume, phase, pipe, heat pump ...

429. 4494385 , January 22, 1985 , Method of preserving organ and apparatus for preserving the same , Kuraoka, Yasuo, Sapporo, JPX; Sakao, Nobuo, Sapporo, JPX, 06615212

CORE TERMS: organ, perfusing, proximity, container, blood, refrigerant, frozen, lowering, solidifying, gradually ...

430. 4494384 , January 22, 1985 , Apparatus for enhancing the performance of a vehicle air conditioning system , Lott, John, Auburndale, FL, 06553490

CORE TERMS: cylinder, condensate, air conditioning, reservoir, spray, inlet, condenser, air flow, radiator, pipe ...

431. 4492725 , January 8, 1985 , Composite thermal insulator , Ishihara, Shoichi, Katano, JPX; Yoneno, Hiroshi, Nara, JPX; Yamamoto, Ryoichi, Neyagawa, JPX, 06514980

**CORE TERMS:** activated, carbon, plastic, insulator, thermal, composite, container, gas, powder, heat ...

432. 4488918 , December 18, 1984 , Non-slip plastic film , Jofs, Jarl-Erik, Vaasa, FIX, 06498788

**CORE TERMS:** plastic, film, layer, peak, ridges, melt, thermoplastic, non-slip, stream, rupture ...

433. 4488838 , December 18, 1984 , Process and apparatus for feeding particulate material into a pressure vessel , Herud, Frank R., Williamsville, NY, 06381409

**CORE TERMS:** carbon dioxide, conveyor, gas, heat exchanger, slurry, coal, downstream, reactor, hopper, feed ...

434. 4487027 , December 11, 1984 , Hyperabsorption space conditioning process and apparatus , Macriss, Robert A., Deerfield, IL; Zawacki, Thomas S., Oak Park, IL, 06549461

**CORE TERMS:** salt, refrigerant, cycle, generator, heat, absorber, heating, evaporator, absorption, saturated ...

435. 4476694 , October 16, 1984 , Absorption cooling and heating system , Kunugi, Yoshifumi, Ibaraki, JPX, 06459662

**CORE TERMS:** refrigerant, generator, absorption, rich, heat, cooling, heating, gas, absorber, heating system ...

436. 4476159 , October 9, 1984 , High temperature adhesive silicone foam composition, foam generating system and method of generating foam , Mead, Judith W., Peralta, NM; Montoya, Orelia J., Albuquerque, NM; Rand, Peter B., Albuquerque, NM; Willan, Vernon O., Albuquerque, NM, 06564103

**CORE TERMS:** foam, solvent, sub, silicone, f502, container, adhesive, pressurized, vessel, polydimethylsiloxane ...

437. 4473435 , September 25, 1984 , Plasma etchant mixture , Zafiropoulo, Arthur W., Manchester, MA; Mayer, Jr., Joseph A., Hamilton, MA, 06477961

**CORE TERMS:** etching, layer, wafer, sub, film, undercutting, gas, silicon dioxide, polysilicon, plasma ...

438. 4471833 , September 18, 1984 , Augmentation method of boiling heat transfer by applying electric fields , Yabe, Akira, Toride, JPX; Taketani, Takao, Ibaraki, JPX; Kikuchi, Kentaro, Tokyo, JPX, 06411425

**CORE TERMS:** heat, sub, boiling, electric field, medium, flux, interface, vapor, instability, heat exchange ...

439. 4465549 , August 14, 1984 , Method of removing a glass backing plate from one major surface of a semiconductor wafer , Ritzman, Ira G., Paradise, PA, 06574169

**CORE TERMS:** wafer, glass, imager, holder, impervious, acid, thinned, etching, etch, backing ...

440. 4464504 , August 7, 1984 , Freon-corrosion, impact and cold resistant flame-retardant polystyrene blend containing zeolites having cation(s) of Mg,

Co. Sb, or Mo , Kocsis, Jozsef K., Budapest, HUX; Kiss, Laszlo, Budapest, HUX; Balajthy, Zoltan, Budapest, HUX; Nagy, Peter, Budapest, HUX; Pai nee Hazkoto, Gizella, Budapest, HUX; Zarubai, Miklos, Jaszbereny, HUX; Sipos, Geza, Jaszbereny, HUX; Romhanyi, Andras, Jaszbereny, HUX; Kokai, Rudolf, Jaszbereny, HUX, 06468588

**CORE TERMS:** polystyrene, sub, resistant, sup, zeolite, styrene, blend, resistance, corrosion, stress ...

441. 4453956 , June 12, 1984 , Recovering condensables from natural gas , Fabbri, Cesare, Milan, ITX; Bellitto, Gianfranco, Milan, ITX; La Mantia, Giuseppe, Cassano d'Adda, ITX; Failla, Biagio, Milan, ITX, 06390686

**CORE TERMS:** gas, column, fractionation, turbine, separator, stream, feed, raw, intermediate, condensate ...

442. 4448040 , May 15, 1984 , Absorption type heat pump system , Kunugi, Yoshifumi, Ibaraki, JPX, 06396375

**CORE TERMS:** heat pump, refrigerant, heat, condenser, absorber, evaporator, heating, outdoor, pump, absorbing ...

443. 4443926 , April 24, 1984 , Method of assembling shock absorbers , Pearson, Robert M., Plymouth, MI; Womac, Robert J., Belleville, MI, 06346476

**CORE TERMS:** cell, hydraulic fluid, container, gas, chamber, shock absorber, tubular, valve, piston, reservoir ...

444. 4442372 , April 10, 1984 , Piezo electric apparatus for generating electricity , Roberts, Walter M., Buffalo, NY, 06443229

**CORE TERMS:** chamber, refrigerant, electric, piezo, condensing, generator, furnace, electricity, vaporized, aperture ...

445. 4438636 , March 27, 1984 , Heat-actuated air conditioner/heat pump , Morgan, Dean T., Sudbury, MA, 06390596

**CORE TERMS:** leg, heat, evaporator, condenser, channel, working fluid, cooling, sub, pipe, heat pump ...

446. 4437961 , March 20, 1984 , Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber , Routh, Donald E., Huntsville, AL; Sharma, Gian C., Huntsville, AL, 06409679

**CORE TERMS:** wafer, vacuum, sputtering, chamber, interconnect, processing, turntable, gun, etching, layer ...

447. 4437321 , March 20, 1984 , Absorption cooling and heating system , Asai, Setsuro, Shimizu, JPX, 06416042

**CORE TERMS:** heat, refrigerant, heating, valve, exchanger, heat exchanger, cooling, indoor, accumulator, defrosting ...

448. 4436581 , March 13, 1984 , Uniform etching of silicon (doped and undoped) utilizing ions , Okudaira, Sadayuki, Kokubunji, JPX; Saida, Hiroji, Kokubunji, JPX; Sakai, Yoshio, Hachioji, JPX; Nishimatsu, Shigeru, Kokubunji, JPX; Suzuki, Keizo, Hachioji, JPX, 06370147

**CORE TERMS:** etching, silicon, film, gas, plasma, sub, sup, wafer, regions, concentration ...

449. 4434624 , March 6, 1984 , Energy-efficient all-electric ECS for aircraft , Cronin, Michael J., Sherman Oaks, CA; Seid, Gordon, Los Angeles, CA, 06248603

**CORE TERMS:** compressor, cabin, aircraft, cooling, engine, altitude, electric motor, valve, inlet, pressurization ...

450. 4432795 , February 21, 1984 , Sintered powdered titanium alloy and method of producing same , Andersen, Phillip J., Cleveland Heights, OH, 06349432

**CORE TERMS:** particle, alloy, titanium, density, sintered, powder, resultant, median, microns, mixture ...

451. 4429536 , February 7, 1984 , Liquefied natural gas-refrigerant electricity generating system , Nozawa, Reikichi, To-7-204, Tamagawa Jyutaku Somechi, Chohfu-shi, 182, JPX, 06323509

**CORE TERMS:** refrigerant, heat, freon, heat exchanger, plant, power plant, nitrogen, natural gas, steam power, condenser ...

452. 4426423 , January 17, 1984 , Ceramic, cermet or metal composites , Intrater, Josef, Englewood Cliffs, NJ; Bertoldo, Gene, New York, NY, 06415502

**CORE TERMS:** substrate, carbide, tin, carbonyl, atmosphere, joined, carbon monoxide, admixture, oxide, arsenide ...

453. 4425146 , January 10, 1984 , Method of making glass waveguide for optical circuit , Izawa, Tatsuo, Musashino, JPX; Mori, Hidefumi, Tokyo, JPX; Shimizu, Nobuo, Iruma, JPX; Murakami, Yasuji, Tokorozawa, JPX, 06213069

**CORE TERMS:** glass, sub, layer, substrate, waveguide, particle, fine, refractive index, deposited, optical ...

454. 4424681 , January 10, 1984 , Hydraulic refrigeration system and method , Rice, Warren, Tempe, AZ; Hosterman, Craig, Scottsdale, AZ, 06388227

**CORE TERMS:** refrigerant, fluid, carrier, sub, pipe, equation, refrigeration, compressor, pump, gaseous ...

455. 4423956 , January 3, 1984 , Vapor deposit contact printing method and apparatus , Gordon, Robert A., Rochester, NY, 06487994

**CORE TERMS:** film, vapor, duplicating, photoconductive, layer, printer, manifold, exposure, station, print ...

456. 4422298 , December 27, 1983 , Liquefied natural gas-freon electricity generation system , Nozawa, Reikichi, To-7-204 Tamagawa Jyutaku, 3-1-71 Somechi, Chohfu-shi, Tokyo, JPX, 06315581

**CORE TERMS:** fwardw, condenser, freon, cycle, heat, plant, steam power, turbine, heated, generation ...

457. 4421100 , December 20, 1983 , Thermosyphon heat pipe hot water appliance , Yu, Ying-Nien, Marina del Rey, CA, 06333424

**CORE TERMS:** fluid, heat, collector, solar, tank, ducting, duct, header, heated,

reservoir ...

458. 4413480 , November 8, 1983 , Hyperabsorption space conditioning process and apparatus , Macriss, Robert A., Deerfield, IL; Zawacki, Thomas S., Oak Park, IL, 06365792

CORE TERMS: salt, generator, refrigerant, cycle, absorber, absorption, heat, cooling, heating, vapor ...

459. 4413280 , November 1, 1983 , X-Ray imaging apparatus , Adlerstein, Joseph K., Kew Gardens, NY; Nitka, Heinz F., Binghamton, NY; Naiman, Charles S., Brookline, MA; Weiss, Aryeh, Cambridge, MA, 06249909

CORE TERMS: x-ray, array, electrical, stored, digital, imaging, gas, processing, ionizable, chamber ...

460. 4408468 , October 11, 1983 , System comprising at least one absorption heat pump , Alefeld, Georg, Josef-Raps-Strasse 3 Munich 40, DEX; Maier-Laxhuber, Peter, Munich, DEX, 06186120

CORE TERMS: heat, medium, absorption, heat pump, heating, generation, evaporator, valve, cooling, sorption ...

461. 4407907 , October 4, 1983 , Air electrode , Takamura, Tsutomu, Yokohama, JPX; Sato, Yuichi, Atsugi, JPX; Nakamura, Toshiaki, Yono, JPX; Suzuki, Nobukazu, Tokyo, JPX, 06325753

CORE TERMS: electrode, oxygen, compound, reduction, solvent, perfluoro, powder, porous, carbon, heavy duty ...

462. 4407778 , October 4, 1983 , Freon gas detecting element , Shiratori, Masayuki, Kawasaki, JPX; Katsura, Masaki, Yososuka, JPX, 06293963

CORE TERMS: gas, sub, detecting, freon, sensitivity, catalyst, sio, semiconductor, layer, oxide ...

463. 4405379 , September 20, 1983 , Method for cleaning metal parts , Chasteen, Jack W., Kettering, OH, 06314594

CORE TERMS: sub, ratio, atmosphere, cleaning, fluoride, chromium, oxide, alloy, hydrogen, region ...

464. 4393105 , July 12, 1983 , Method of fabricating a thermal pane window and product , Kreisman, Wallace S., Malden, MA, 06255641

CORE TERMS: pane, glass, thermal, window, spacer, bonding, gas, stress, door, interface ...

465. 4384828 , May 24, 1983 , Sliding vane compressor , Rembold, Helmut, Stuttgart, DEX; Linder, Ernst, Muhlacker, DEX; Ruoff, Manfred, Stuttgart, DEX; Dettling, Hubert, Waiblingen, DEX; Werner, Jurgen, Moglingen, DEX, 06178708

CORE TERMS: rotor, grooves, compressor, shaft, vane, chamber, medium, spirally-shaped, sliding, housing ...

466. 4377831 , March 22, 1983 , Non-abrasive magnetic head cleaning system , Davis, C. Paul, Woodland Hills, CA; Sandor, Joseph, Reseda, CA, 06234576

**CORE TERMS:** cleaning, disk, magnetic, jacket, flexible, pad, disk drive, drive, saturated, expose ...

467. 4375367 , March 1, 1983 , Lower power, freon refrigeration assisted air separation , Prentice, Alan L., Surbiton, GB2, 06255910

**CORE TERMS:** air stream, stream, refrigeration, heat exchanger, compressor, column, sidestream, expander, feed, distillation ...

468. 4374158 , February 15, 1983 , Process for producing transparent shaped article having enhanced anti-reflective effect , Taniguchi, Takashi, Shiga, JPX; Mibae, Jiro, Otsu, JPX, 06205346

**CORE TERMS:** coating, coated, lens, mixture, gas, inorganic, gamma, activated, manner described, transparent ...

469. 4372123 , February 8, 1983 , Thermal-gravity engine , Austin, Kenneth L., 909 E. Cypress Ave. Lompoc, CA 93436, 06298599

**CORE TERMS:** chamber, lever, storage, fluid, shaft, reciprocating, working fluid, engine, ratchet, counterweight ...

470. 4370860 , February 1, 1983 , Method of and means for generating power from a hot brine source , Assaf, Gad, Rehovot, ILX, 06155971

**CORE TERMS:** fluid, lift, tube, condenser, sub, heat, layer, brine, pond, working fluid ...

471. 4368209 , January 11, 1983 , Dough mixing for farinaceous foodstuff production , Tomlinson, David, Bolton, GB2, 06134180

**CORE TERMS:** mixing, dough, chamber, energy, ingredients, jacket, bread, vane, input, fluid ...

472. 4365482 , December 28, 1982 , Device at heating or cooling unit , Langgard, Sixten, Box 75 736 00 Kungälv, SEX; Larsson, Lennart, Agnevågen 9 633 47 Eskilstuna, SEX, 06195607

**CORE TERMS:** freon, valve, compressor, evaporator, installation, condenser, gas, conduit, suction, tank ...

473. 4356699 , November 2, 1982 , Gas condensation , Rilett, John W., Hilltop House, Old Quarry Bibury, GB3, 06226827

**CORE TERMS:** gas, container, vapour, carbon dioxide, phase, condensation, screw, hollow, outlet, tank ...

474. 4356267 , October 26, 1982 , Enzyme immobilization in cellulosic hollow fibres , Callegaro, Lanfranco, Padova, ITX; Boniolo, Antonio, Saluggia, ITX; Denti, Ennio, Pino Torinese, ITX; Rosa, Umberto, Turin, ITX; Rossi, Valdano, San Benedetto Po, ITX, 06233702

**CORE TERMS:** fibre, enzyme, lumen, minute, circulation, concentration, sup, bundle, aqueous, dialyzer ...

475. 4353218 , October 12, 1982 , Heat pump/refrigerator using liquid working fluid , Wheatley, John C., Del Mar, CA; Paulson, Douglas N., Del Mar, CA; Allen, Paul C., Solana Beach, CA; Knight, William R., Corvallis, OR; Warkentin, Paul

A., San Diego, CA, 06154173

CORE TERMS: heat, working fluid, piston, fluid, displacer, regenerator, reservoir, psi, heat exchanger, utilized ...

476. 4350024 , September 21, 1982 , Heating system , Moll, Thorleif, Fjaras, SEX, 06197329

CORE TERMS: coil, pipe, gas, water heater, radiator, heat exchanger, heat, evaporator, compressor, medium ...

477. 4350018 , September 21, 1982 , Gas recovery system , Frank, Karl, Linz, DEX; Marnette, Ewald, Windhagen, DEX, 06245934

CORE TERMS: gases, tank, liquified, escaping, collecting, outlet, gas, storage tank, discharged, coolant ...

478. 4338376 , July 6, 1982 , High fluorocarbon content coating composition, method of application, and coated article , Kritzler, Steven, Cronulla, AUX, 06198315

CORE TERMS: composition, resin, coating, polymer, fluorocarbon, substrate, abrasion, silane, resistance, solvent ...

479. 4336837 , June 29, 1982 , Entirely passive heat pipe apparatus capable of operating against gravity , Koenig, Daniel R., Santa Fe, NM, 06233365

CORE TERMS: heat, pipe, gas, sub, evaporator, reservoir, vapor, venturi, condenser, envelope ...

480. 4335781 , June 22, 1982 , High power cooler and method thereof , Duffy, Victor P., Scottsdale, AZ, 06214829

CORE TERMS: heat, coolant, thermal, vapors, missile, honeycomb, high power, cooler, beeswax, electronic ...

481. 4334646 , June 15, 1982 , Method of solder reflow assembly , Campbell, Henry J., Melbourne Beach, FL, 06141100

CORE TERMS: substrate, solder, reflow, pad, fixture, bath, surface tension, chip, hot bath, container ...

482. 4333753 , June 8, 1982 , Method of liquefying Freon gas , Kuraoka, Yasuo, Sapporo, JPX, 06168441

CORE TERMS: gas, tank, liquefied, liquefying, solenoid, heat exchange, medium, valve, cooling, tube ...

483. 4333314 , June 8, 1982 , Solar energy system and heat engine therefor , Allen, Robert W., 15916 Los Altos Fountain Valley, CA 92708, 06126947

CORE TERMS: tank, fluid, collector, sheet, chamber, heat, solar, conduit, advantageously, absorber ...

484. 4333017 , June 1, 1982 , Method and apparatus for closed loop vortex operation , O'Connell, John J., Box 10 Los Gatos, CA 95030, 06198476

CORE TERMS: vortex, tube, cold, working fluid, hot, loop, inlet, heat, outlet,



bypass ...

485. 4330998 , May 25, 1982 , Liquefied natural gas-freon electricity generation system , Nozawa, Reikichi, 2-10-38 Ohokayama, Meguroku Tokyo, JPX, 05973735

CORE TERMS: fwdarw, freon, condenser, cycle, heat, plant, steam power, turbine, heated, generation ...

486. 4327399 , April 27, 1982 , Heat pipe cooling arrangement for integrated circuit chips , Sasaki, Etsuro, Fuchu, JPX; Ohsaki, Takaaki, Tokyo, JPX, 06107646

CORE TERMS: substrate, integrated, cavity, heat, radiating, wick, ceramic, pipe, zone, wiring ...

487. 4324845 , April 13, 1982 , Metal-oxide-hydrogen cell with variable conductant heat pipe , Stockel, Joseph F., Rockville, MD, 06164382

CORE TERMS: heat, pipe, cell, electrode, battery, stack, passive, feedthrough, spacecraft, thermal ...

488. 4319900 , March 16, 1982 , Liquefactor , Gram, Anker, North Vancouver, CAX, 06137679

CORE TERMS: gas, conduit, sieve, valve, port, stem, molecular, tower, natural gas, aperture ...

489. 4318443 , March 9, 1982 , Foam generating fire fighting device , Cummins, Mark A., 305 Delmas Lufkin, TX 75091, 06181716

CORE TERMS: foam, generating, tube, chamber, tank, container, fitting, ejector, propellant, aeration ...

490. 4314566 , February 9, 1982 , Air cooler for self-contained breathing system , Kiwak, Robert S., Northville, MI, 06182204

CORE TERMS: heat, gas, breathing, pipe, heat exchanger, recycled, oxygen, cylinder, high pressure, breathing apparatus ...

491. 4313840 , February 2, 1982 , Heat transfer oil and method for driving a Freon turbine , Komatsuzaki, Shigeki, Mito, JPX; Sato, Moriichi, Hitachi, JPX, 06128168

CORE TERMS: freon, heat, oil, benzotriazole, phosphite, ester, tris, stability, tube, polyol ...

492. 4311908 , January 19, 1982 , Simple electronic apparatus for the analysis of radioactively labeled gel electrophoretograms , Goulianos, Konstantin, New York, NY; Smith, Karen K., New York, NY; White, Sebastian N., New York, NY, 06127042

CORE TERMS: wire, anode, ionization, gas, radiation, slot, gel, beta, sup, coil ...

493. 4309877 , January 12, 1982 , Total energy system including means for utilizing supplementary heats , Tawse, Ian S., Downsview, CAX, 06185358

CORE TERMS: heat, pipe, fluid, air conditioning, refrigerant, heat exchanger,

coil, valve, ejector, jet pump ...

494. 4309245 , January 5, 1982 , Process for manufacturing boron nitride fiber felt using a Fourdrinier machine , Tworek, John L., West Seneca, NY; Rignel, Gordon R., Clockport, NY, 06134903

CORE TERMS: fiber, boron, nitride, slurry, oxide, sub, screen, nitriding, medium, atmosphere ...

495. 4309244 , January 5, 1982 , Process for manufacturing boron nitride fiber mats , Tworek, John L., West Seneca, NY; Rignel, Gordon R., Clockport, NY, 06134765

CORE TERMS: fiber, boron, nitride, oxide, sub, slurry, nitriding, screen, mat, batt ...

496. 4306613 , December 22, 1981 , Passive cooling system , Christopher, Nicholas S., 56 Page Farm Rd. Sherborn, MA 01748, 06128573

CORE TERMS: enclosure, heat, energy, tank, rod, storage, cold, cooling, passive, heat exchanger ...

497. 4304660 , December 8, 1981 , Manufacture of refrigeration oils , Sequeira, Jr., Avilino, Port Arthur, TX; Chesluk, Ralph P., Nederland, TX; Platte, Howard J., Houston, TX, 06140148

CORE TERMS: solvent, raffinate, oil, extract, extraction, refrigeration, secondary, stock, tower, aromatic ...

498. 4294075 , October 13, 1981 , Single stage rankine and cycle power plant , Closs, Joseph J., 36 Jade cres. Brampton, Ontario, CAX, 06085533

CORE TERMS: freon, boiler, rankine, radio frequency, engine, energy, cycle, power plant, driving, gas ...

499. 4282924 , August 11, 1981 , Apparatus for mechanically clamping semiconductor wafer against pliable thermally conductive surface , Faretra, Ronald A., Melrose, MA, 06021362

CORE TERMS: wafer, semiconductor, platen, clamping, cooling, ion, ring, curved, implantation, conductive ...

500. 4280126 , July 21, 1981 , Liquid level detector , White, Kenneth T., Chicago Heights, IL, 06039047

CORE TERMS: tank, transducer, container, ultrasonic, sonic, frequency, suppression, interface, reception, detector ...

501. 4276938 , July 7, 1981 , Method and appliance for fire extinguishing in enclosed compartment , Klimenko, Alexandr S., Leningradskoe shoose, 118, korpus 1, kv. 91 Moscow, SUX; Emelyanov, Igor V., Leningradsky prospekt, 60-A, kv. 137 Moscow, SUX; Krylov, Anatoly A., Eniseiskaya ulitsa, 11, kv. 95 Moscow, SUX; Yantovsky, Semen A., ulitsa 26 Bakinskikh komissarov, 3, korpus 3, kv. 240 Moscow, SUX, 05959416

CORE TERMS: compartment, container, fuse, thermal, capsule, miniature, extinguishant, appliance, freon, inhibitor ...

502. 4276687 , July 7, 1981 , Method of winding capillary fiber bundles ,  
Schnell, William J., Wheeling, IL, 06041112

CORE TERMS: bundle, fiber, sheet, reel, capillary, annular, wrapped, slot,  
winding, dialyzer ...

503. 4275734 , June 30, 1981 , Cryosurgical apparatus and method , Mitchiner,  
Robert K., Longmont, CO, 05824174

CORE TERMS: coolant, cylinder, defrost, valve, freeze, psi, gas, freezing, tip,  
necrosis ...

504. 4275563 , June 30, 1981 , Power-generating plant having increased  
circulating force of working fluid , Kuroda, Michio, Hitachi, JPX; Nakamura,  
Shozo, Hitachiouta, JPX; Tsukahara, Satoshi, Hitachi, JPX; Akatu, Yasuaki,  
Hitachi, JPX; Sugita, Shigehisa, Hitachi, JPX; Kaneko, Kojiro, Hitachi, JPX;  
Sakaguchi, Seiichiro, Hitachi, JPX; Oshima, Ryoichiro, Hitachi, JPX, 06004577

CORE TERMS: oil, heat exchanger, medium, freon, heat, sub, contact-type,  
heat-source, pump, cooler ...

505. 4267013 , May 12, 1981 , Method for dry-etching aluminum and aluminum  
alloys , Iida, Shinya, Tama, JPX; Ueki, Kazuyoshi, Ohme, JPX; Komatsu, Hideo,  
Hinodemachi, JPX; Mitzutani, Tatsumi, Kokubunji, JPX, 06045744

CORE TERMS: sub, alloy, gas, freon, etch, plasma, volume, min, photoresist,  
etching ...

506. 4264814 , April 28, 1981 , Method for detecting trace impurities in gases ,  
Freund, Samuel M., Santa Fe, NM; Maier, II, William B., Los Alamos, NM; Holland,  
Redus F., Los Alamos, NM; Beattie, Willard H., Los Alamos, NM, 06062372

CORE TERMS: impurity, sub, gas, infrared, sensitivity, liquefied, gases,  
absorption, trace, cell ...

507. 4261176 , April 14, 1981 , Thermodynamic assembly , Theyse, Frederik H.,  
Bergisch Gladbach, DEX, 05866162

CORE TERMS: heat, installation, compressor, energy, rotor, turbine, medium,  
vapor, machine, heat-exchanger ...

508. 4259433 , March 31, 1981 , Method for producing disk-recording plates ,  
Mizobuchi, Yuzo, Asaka, JPX; Sato, Masamichi, Asaka, JPX; Takahashi, Tsunehiko,  
Asaka, JPX, 06032829

CORE TERMS: layer, etching, laser, thickness, recording, beam, disk-recording,  
sputter, sub, laser-sensitive ...

509. 4258554 , March 31, 1981 , Refrigerator , Asselman, George A. A.,  
Eindhoven, NLX; van Mensvoort, Adrianus J., Eindhoven, NLX, 05911400

CORE TERMS: secondary, compartment, refrigerating, evaporator, condensor, gas,  
refrigerant, condensation, refrigerator, reservoir ...

510. 4257799 , March 24, 1981 , Method for producing small hollow spheres ,  
Rosencwaig, Allen, Danville, CA; Koo, Jackson C., San Ramon, CA; Dressler, John  
L., Spring Valley, OH, 06061167

**CORE TERMS:** region, glass, microsphere, membrane, gel, droplet, hollow, transition, sub, glass-forming ...

511. 4255936 , March 17, 1981 , Heat pump water heater , Cochran, Robert W., P. O. Box 368 Lakeland, FL 33802, 05953038

**CORE TERMS:** refrigerant, heat exchanger, heat, earth, compressor, tap, fluid, passageway, pump, heated ...

512. 4251998 , February 24, 1981 , Hydraulic refrigeration system and method , Rice, Warren, Scottsdale, AZ; Hosterman, Craig, Scottsdale, AZ, 06012597

**CORE TERMS:** sub, equation, freon, refrigerant, pipe, fluid, refrigeration, chamber, pump, down pipe ...

513. 4250428 , February 10, 1981 , Bonded cathode and electrode structure with layered insulation, and method of manufacture , Oliver, David W., Schenectady, NY; Trzaskos, Casmir R., Amsterdam, NY, 06037257

**CORE TERMS:** sub, cathode, deposition, layer, grid, film, tungsten, vapor, tube, insulation ...

514. 4250143 , February 10, 1981 , System for sterilizing objects , Bryan, Coleman J., Merritt Island, FL; Wright, Jr., Edward E., Titusville, FL; Moyers, Clyde V., Cape Canaveral, FL, 06046739

**CORE TERMS:** gas, mixture, sterilizing, chamber, mixing, vessel, ethylene oxide, sterilant, tubular, humidified ...

515. 4246209 , January 20, 1981 , Freezing inorganic particulate slurries , Smith-Johannsen, Robert, Incline Village, NV, 06016871

**CORE TERMS:** sol, particle, ceramic, slurry, lithium, freezing, mold, silica, zirconia, stabilized ...

516. 4245768 , January 20, 1981 , Method of cold welding using ion beam technology , Sater, Bernard L., Olmsted Falls, OH, 05929084

**CORE TERMS:** welding, cold, ion, beam, contamination, interface, vacuum, layer, oxide, clean ...

517. 4244191 , January 13, 1981 , Gas turbine plant , Hendriks, Rudolf, Velp, NLX, 05971535

**CORE TERMS:** turbine, compressor, plant, shaft, axial, cycle, gas turbine, single stage, casing, radial ...

518. 4240405 , December 23, 1980 , Solar water heater , French, Roger F., P.O. Box 158 Jackson, NH 03846, 06034475

**CORE TERMS:** collector, condenser, inlet, solar, heat, outlet, accumulator, conduit, drum, water heater ...

519. 4238925 , December 16, 1980 , Gas turbine system with oxygen vapor-fuel system , Lowther, Frank E., Buffalo, NY, 05941298

**CORE TERMS:** oxygen, turbine, fuel, combustion, gas, cycle, gases, burn, phase, ratio ...

520. 4238559 , December 9, 1980 , Two layer resist system , Feng, Bai-Cwo, Wappingers Falls, NY; Feng, George C., Poughkeepsie, NY, 05936435

CORE TERMS: resist, layer, saturated, lift-off, developer, photoresist, substrate, dissolved, solvent, sensitizer ...

521. 4224925 , September 30, 1980 , Heating system , Movick, Nyle O., 4600 Macky Way Boulder, CO 80302, 05936340

CORE TERMS: heat, working fluid, reservoir, collector, storage, heat exchanger, vaporized, collecting, conduit, distributing ...

522. 4224802 , September 30, 1980 , Apparatus and process for vaporizing liquefied natural gas , Ooka, Isami, Osaka, JPX, 06024535

CORE TERMS: heat, natural gas, refrigerant, heat exchanger, liquefied, vaporized, exchanger, heat exchange, multitubular, intermediate ...

523. 4224389 , September 23, 1980 , Non-aqueous primary cell , Peled, Emanuel, Givatayim, ILX, 05925564

CORE TERMS: electrolyte, anode, cell, sub, cathode, organic, volts, compound, lithium, interphase ...

524. 4220528 , September 2, 1980 , Process for disoxidating gas or water , Matsumoto, Masao, Tokushima, JPX; Manabe, Isao, Tokushima, JPX, 05946737

CORE TERMS: treating, gas, oxygen, hydrazine, concentration, ppm, disoxidated, dissolved oxygen, repeated, disoxidating ...

525. 4220195 , September 2, 1980 , Ion drag pumped heat pipe , Borgoyne, Milton J., Glen Burnie, MD; Mitchell, Archer S., Silver Spring, MD, 06042165

CORE TERMS: pumping, pipe, heat, capillary, ion, fluid, surface tension, electrode, drag, condensate ...

526. 4218619 , August 19, 1980 , Multi-copy ion-valve radiography , Yang, Kei-Hsiung, Schenectady, NY; Gruenke, Lothar A., Schenectady, NY, 05942548

CORE TERMS: mesh, electrode, sub, ion, insulative, radiation, layer, magnitude, exposure, density ...

527. 4216659 , August 12, 1980 , Thermal system , French, Roger F., P.O. Box 158 Jackson, NH 03846, 06003631

CORE TERMS: heat, tank, waste water, hot water, thermal, switch, coil, pipe, vessel, medium ...

528. 4213305 , July 22, 1980 , Solar powered cooling apparatus , De Geus, Arie M., 6625 4th St., S. St. Petersburg, FL 33705, 05941755

CORE TERMS: evaporator, collector, refrigerant, vapor, solar, piston, pressurized, vessel, radiation, gathering ...

529. 4202177 , May 13, 1980 , Energy production for complex geothermal waters , Garrett, Donald E., 110 N. Bristol St. Ojai, CA 93023, 05794080

**CORE TERMS:** geothermal, working fluid, heat, fluid, immiscible, phase, hot, mixture, turbine, vapor ...

530. 4196526 , April 8, 1980 , Drying plant, particularly for timber , Berti, Furio, Turin, ITX, 06008651

**CORE TERMS:** evaporator, chamber, drying, valve, condenser, port, timber, compartment, dehumidification, plant ...

531. 4195481 , April 1, 1980 , Power plant , Gregory, Alvin L., 5860 Callister Ave. Sacramento, CA 95819, 05843376

**CORE TERMS:** fluid, heat, engine, rotor, piston, valve, injector, stator, chamber, vapor ...

532. 4192706 , March 11, 1980 , Gas-etching device , Horiike, Yasuhiro, Tokyo, JPX, 05933846

**CORE TERMS:** etching, gas, region, gas-producing, etched, electrode, vacuum, vessel, sub, oxygen ...

533. 4192662 , March 11, 1980 , Process for liquefying and rectifying air , Ogata, Shunji, Machida, JPX; Yamamoto, Yohei, Tokyo, JPX, 05863889

**CORE TERMS:** nitrogen, sup, piping, feed, heat exchanger, rectifier, compressed, freon, cold, cooled ...

534. 4188592 , February 12, 1980 , Closed cycle chemical laser , Buczek, Carl J., Manchester, CT; Freiberg, Robert J., Palm Beach Gardens, FL; Fradin, David W., Exton, PA; Chenausky, Peter P., Avon, CT, 05894776

**CORE TERMS:** gas, laser, loop, hydrogen, chamber, sulphur, hexafluoride, chemical, effluent, mixing ...

535. 4184784 , January 22, 1980 , Termination and method of terminating ropes or cables of aramid fiber or the like , Killian, Bruce A., Van Nuys, CA, 05921547

**CORE TERMS:** rope, strand, cable, fiber, tapered, collar, braided, tube, termination, aramid ...

536. 4182131 , January 8, 1980 , High efficiency air conditioner , Marshall, Ralph C., 14739-1/2 Oxnard St. Van Nuys, CA 91411; Consoli, Ronald P., 16853 Magnolia Blvd. Encino, CA 91436, 05964261

**CORE TERMS:** coil, cooling, condenser, condensing, adiabatic, wet bulb, inlet, pad, compressor, outlet ...

537. 4180604 , December 25, 1979 , Two layer resist system , Feng, Bai-Cwo, Wappingers Falls, NY; Feng, George C., Poughkeepsie, NY, 05865814

**CORE TERMS:** resist, layer, saturated, lift-off, developer, photoresist, substrate, dissolved, solvent, sensitizer ...

538. 4176003 , November 27, 1979 , Method for enhancing the adhesion of photoresist to polysilicon , Brower, Ronald W., Dayton, OH; Cohen, Jerome, Centerville, OH; Chen, Peter C., Sunnyvale, CA, 05879933

**CORE TERMS:** polysilicon, photoresist, adhesion, mask, layer, etching, silicon,

oxide, plasma, oxygen ...

539. 4170115 , October 9, 1979 , Apparatus and process for vaporizing liquefied natural gas , Ooka, Isami, Osaka, JPX; Sato, Tomohiro, Osaka, JPX; Niwa, Kyohei, Osaka, JPX, 05813095

CORE TERMS: natural gas, heat, refrigerant, estuarine, liquefied, heat exchanger, exchanger, vaporized, heated, countercurrent ...

540. 4166884 , September 4, 1979 , Position insensitive battery , McCartney, Joseph F., Solana Beach, CA; Shipman, William H., La Mesa, CA, 05942844

CORE TERMS: battery, inner tube, electrolyte, lithium, cathode, tube, sub, volume, piston, sup ...

541. 4166146 , August 28, 1979 , Sandwich unit for wall coating , Koos, Tibor, 411 23 Goteborg, SE, 05877630

CORE TERMS: plastic, layer, flake, foil, sandwich, coating, heat, foam, thickness, insulating ...

542. 4160336 , July 10, 1979 , Method for treating fireants , Query, Grady W., 1725 Matthews Mint Hill Rd. Matthews, NC 28105; Query, O. Grady, 1742 Sam Rittenburg Blvd. Charleston, SC 29407, 05876204

CORE TERMS: fireant, tank, mixture, rod, insecticide, refrigerant, colony, eradication, trailer, hill ...

543. 4159359 , June 26, 1979 , Insulating material with low thermal conductivity, formed of a compacted granular structure , Pelloux-Gervais, Pierre, Grenoble, FRX; Goumy, Daniel, Saint Egreve, FRX, 05822327

CORE TERMS: powder, sup, thermal conductivity, density, particle, compacted, insulating, curve, compacting, insulator ...

544. 4159075 , June 26, 1979 , Hermetic bonded seal , Ljung, Bo H. G., Wayne, NJ; Koper, James G., Wayne, NJ, 05856714

CORE TERMS: seal, bonded, indium, bonding, hermetic, wire, gold, laser, room temperature, glass ...

545. 4157015 , June 5, 1979 , Hydraulic refrigeration system and method , Hosterman, Craig, Scottsdale, AZ; Rice, Warren, Tempe, AZ, 05862119

CORE TERMS: equation, sub, freon, pipe, fluid, refrigeration, refrigerant, down pipe, chamber, fwdarw ...

546. 4150494 , April 24, 1979 , Methods and apparatus for recovering solvents , Rothchild, Ronald D., South Orange, NJ, 05828375

CORE TERMS: solvent, oven, vapor, curing, atmosphere, inert gas, vestibule, condenser, coating, supplied ...

547. 4149383 , April 17, 1979 , Internal vaporization engine , Spalding, Wesley H., 14232 N. Linden Rd. Clio, MI 48420, 05820222

CORE TERMS: engine, piston, valve, heat, oil, port, vaporization, jacket, solar, furnace ...

548. 4149034 , April 10, 1979 , Resolution enhanced sound detecting apparatus , Frosch, Robert A. Administrator of the National Aeronautics and Space Administration, with respect to an invention of, Pasadena, CA; Kendall, James M., Pasadena, CA, 05861392

CORE TERMS: mirror, sheet, noise, medium, fluid, gas, enclosure, heavy, waves, microphone ...

549. 4148122 , April 10, 1979 , Method for repairing vehicle bodies , Phillips, James T., 18831 Dixie Hwy. Homewood, IL; Kandl, Henry J., 18831 Dixie Hwy. Homewood, IL, 05850957

CORE TERMS: plastic, filler, rust, automobile, hole, cavity, repair, patch, polyester, repairing ...

550. 4146510 , March 27, 1979 , Flake- or sliver-like porous structure of polymeric material and process of producing same, and process of producing sheet-like structure therefrom , Miyamoto, Masahiko, Otake, JPX; Uotani, Takeshi, Otake, JPX; Itani, Fujio, Otake, JPX; Yoshihara, Toshi, Otake, JPX; Igawa, Masayuki, Otake, JPX; Okumura, Munehiro, Otake, JPX; Imao, Syoji, Otake, JPX; Taniyama, Yoshiaki, Otake, JPX, 05609442

CORE TERMS: finely, inorganic, polymeric, sup, sheet, sub, autoclave, mixture, flake, sheet-like ...

551. 4146013 , March 27, 1979 , Solar-exothermic solution heat pump , Foulke, Willing B., 109 Greenridge Rd. Wilmington, DE 19804, 05793484

CORE TERMS: heat, salt, solar, dilution, heating, dilute, concentrated, fluid, solvent, energy ...

552. 4143649 , March 13, 1979 , Pump for closed circulation system , Foti, George, 1212 Port Washington Blvd. Port Washington, NY 11050, 05762437

CORE TERMS: pump, amplifier, thermal, fluid, reservoir, resistor, terminal, probe, tube, lamp ....

553. 4142511 , March 6, 1979 , Solar radiation collector devices and systems , Doughty, Ralph O., Bedford, TX; Goodwin, Donald W., Fort Worth, TX, 05798951

CORE TERMS: collector, solar, radiation, absorber, heat, chamber, energy, fluid, vacuum, collecting ...

554. 4141294 , February 27, 1979 , Fuel-air type bomb , Zaharia, Sidney D., Westminster, CO, 04823235

CORE TERMS: bomb, cloud, fuse, detonator, explosive, chamber, fuel, fuel-air, housing, aerosol ...

555. 4134393 , January 16, 1979 , Solar energy collection , Stark, Virgil, 936 Fifth Ave. New York, NY 10021; Vayda, Alexandre, Lausanne, CHX; Rousset, Paul, Cannes, FRX, 05746065

CORE TERMS: fluid, lens, energy, conduit, solar, lenses, collector, heat, channel, panel ...

556. 4126822 , November 21, 1978 , Electrostatic generator and motor ,



Wahlstrom, Sven E., 570 Jackson Dr. Palo Alto, CA 94303, 05801242

CORE TERMS: capacitor, voltage, battery, energy, electrical, dielectric, fluid, capacitance, generator, mercury ...

557. 4124263 , November 7, 1978 , Process for high voltage conditioning cathode ray tubes , Neuber, Ralph E., Seneca Falls, NY; Rehkopf, Charles H., Seneca Falls, NY, 05885740

CORE TERMS: electrode, cathode ray tube, conditioning, pin, electrical, container, grid, tube, high voltage, arcing ...

558. 4123663 , October 31, 1978 , Gas-etching device , Horiike, Yasuhiro, Tokyo, JPX, 05647448

CORE TERMS: etching, gas, region, gas-producing, etched, vacuum, vessel, electrode, sub, oxygen ...

559. 4121958 , October 24, 1978 , Insulation board , Koonts, Lamonte R., Newton, NJ, 05835235

CORE TERMS: sheet, porous, foam, laminate, layer, polyurethane, chemical, insulation, sample, skin ...

560. 4113435 , September 12, 1978 , Cryogenically controlled direct fluorination apparatus , Lagow, Richard J., Manchester, MA; Adcock, James L., Cambridge, MA; Maraschin, Norma J., Cambridge, MA, 05379876

CORE TERMS: sub, zone, sup, reactor, fluorine, fluorination, min, helium, trap, cryogenic ...

561. 4113019 , September 12, 1978 , Inert gas generator based on air jet engine , Sobolev, Georgy Georgievich, ULITSA Schepkina, 47/3, kv. 64 Moscow, SU; Kozljuk, Anatoly Ivanovich, ULITSA Postysheva, 135, kv. 46 Donetsk, SU; Kolyshenko, Mikhail Vasilievich, ULITSA Artema, 161, kv. 6 Donetsk, SU; Makarenko, Valery Leonidovich, ULITSA Baikova, 30, kv. 2 Donetsk, SU; Vasilenko, Valentin Vasilievich, ULITSA Levitskogo, 23, kv. 2 Donetsk, SU; Vishnevsky, Leonid Denisovich, ULITSA Levitskogo, 27, kv. 8 Donetsk, SU; Kukhno, Viktor Ivanovich, ULITSA M. Ulyanovoi, 53, kv. 30 Donetsk, SU, 05679437

CORE TERMS: chamber, generator, inert gas, afterburning, diffuser, gas, depression, jet engine, jet, nozzle ...

562. 4112149 , September 5, 1978 , Converting a diaphragm electrolytic cell to a membrane electrolytic cell , Babinsky, Andrew D., Chagrin Falls, OH, 05790756

CORE TERMS: cell, membrane, matting, electrolytic, diaphragm, electrode, foraminous, film, slurry, cathode ...

563. 4111507 , September 5, 1978 , Apparatus for high voltage conditioning cathode ray tubes , Neuber, Ralph E., Seneca Falls, NY; Rehkopf, Charles H., Seneca Falls, NY, 05796744

CORE TERMS: electrode, cathode ray tube, conditioning, pin, electrical, container, grid, tube, high voltage, arcing ...

564. 4110821 , August 29, 1978 , Semiconductor device having a semiconductor accommodated in a sealed vessel , Hisano, Hiroshi, Fuchu, JP; Sato, Kyoichi,

Yokohama, JP, 05760739

CORE TERMS: vessel, rectifier, sealed, switch, load, heating, semiconductor device, terminal, freon, semiconductor ...

565. 4104535 , August 1, 1978 , Hybrid electric power generating system , Bronicki, Yehuda L., Rehovoth, ILX, 05679757

CORE TERMS: converter, generator, vapor, fuel, energy, working fluid, heat, electrical, load, consumption ...

566. 4099417 , July 11, 1978 , Method and apparatus for detecting ultrasonic energy , Shwartzman, Stanley, Somerville, NJ, 05800277

CORE TERMS: energy, transducer, beam, ultrasonic, chamber, cleaning, detecting, tank, propagated, spray ...

567. 4095429 , June 20, 1978 , Solar gravity engine , Morey, Robert E., 18 Cumberland Rd. Hamilton Square, NJ 08690, 05794292

CORE TERMS: conduit, chamber, condensing, valve, fluid, ambient, vapor, altitude, external, evaporating ...

568. 4094356 , June 13, 1978 , Geothermal heat recovery system , Ash, Whewell Frank, 1095 Capital Hill Reno, NV 89502; Ash, Frank Robert, 834 Shriver Blvd. Sparks, NV 89403, 05757379

CORE TERMS: heat, working fluid, absorber, pipe, geothermal, gas, heat exchanger, valve, energy, thermostatic ...

569. 4092436 , May 30, 1978 , Method of steam-stripping roast and ground coffee or tea , MacDonald, Dennis L., West Lafayette, IN; Weikel, James August, Forest Park, OH, 05747572

CORE TERMS: coffee, extraction, roast, column, vessel, prewetting, steam, distillation, particle, volatile ...

570. 4091613 , May 30, 1978 , Independent power generator , Young, Richard N., Yorktown, VA, 05710036

CORE TERMS: compressor, aircraft, duct, auxiliary, cabin, turbine, engine, first stage, bleed, ram ...

571. 4089744 , May 16, 1978 , Thermal energy storage by means of reversible heat pumping , Cahn, Robert P., Millburn, NJ, 05738604

CORE TERMS: heat, steam, stored, storage, hot, fluid, heat exchanger, thermal, energy, hot water ...

572. 4087458 , May 2, 1978 , Process for preparation of 2-(amylbenzoyl)benzoic acid , Emori, Fumitoshi, Gojoh, JA; Iwasaki, Yasuhisa, Ikoma, JA; Yoshimura, Takao, Nara, JA, 05794620

CORE TERMS: acid, mole, t-amq, t-amb, s-amq, s-amb, ratio, phthalic, anhydride, isomers ...

573. 4081352 , March 28, 1978 , Combination extraction-dewaxing of waxy petroleum oils , West, Theodore H., Sarnia, CA; Eagen, John F., Sarnia, CA;

Gudelis, David A., Sarnia, CA, 05696888

CORE TERMS: zone, solvent, oil, wax, raffinate, dewaxing, extraction, chilling, extract, dilution ...

574. 4079590 , March 21, 1978 , Well stimulation and systems for recovering geothermal heat , Sheinbaum, Itzhak, 2038 E. Altadena Dr. Altadena, CA 91001, 05565389

CORE TERMS: fluid, geothermal, working fluid, heat, zone, vapor, contactor, tray, rock, hot ...

575. 4063419 , December 20, 1977 , Energy production from solar ponds , Garrett, Donald E., 505 W. Ninth St. Claremont, CA 91711, 05741334

CORE TERMS: pond, solar, energy, working fluid, heat, brine, evaporation, fluid, hot, immiscible ...

576. 4062915 , December 13, 1977 , Stereo reticulated polymeric lace-like structure and process for making the same , Stricharczuk, Paul Thomas, Solon, OH; Lawson, Dennis Lee, Brunswick, OH, 05659412

CORE TERMS: polymer, fabric, reticulated, blend, blowing, polyurethane, die, polyester, acrylic, roll ...

577. 4061263 , December 6, 1977 , Method of bonding a dielectric substrate to a metallic carrier in a printed circuit assembly , Ohlstein, Herbert, Elmwood Park, NJ, 05725204

CORE TERMS: carrier, substrate, tinned, solder, separately, metallic, plating, cleaned, bonded, flux ...

578. 4055632 , October 25, 1977 , Controllable gas generator , Hoffman, Robert T., Kailua, HI; Buecher, Roger W., Kailua, HI, 05753026

CORE TERMS: pellets, container, valve, gas, interface, gas generator, partition, fluid, compartment, metallic ...

579. 4055050 , October 25, 1977 , Apparatus for and method of regasifying liquefied natural gas , Kozlov, Vladimir Borisovich, ULITSA Butlerova, 2, korpus 2, kv. 134 Moscow, SU, 05657297

CORE TERMS: plant, gas, fuel, steam power, liquefied, gaseous, consumption, pipeline, natural gas, regasifying ...

580. 4054647 , October 18, 1977 , Method and composition for removing undesirable odors from air , Harich, Jakob, Orlando, FL; Harich, Franz P., Orlando, FL, 05575982

CORE TERMS: pulp, grapefruit, alcohol, skin, composition, propylene glycol, mixture, ultraviolet, agitation, reactant ...

581. 4054427 , October 18, 1977 , Method of recovering krypton and xenon nuclides from waste gases , Schroeter, Hans-Juergen, Essen, DT; Knoblauch, Karl, Essen, DT; Juentgen, Harald, Essen, DT; Kronauer, Peter, Essen, DT, 05536594

CORE TERMS: gas, adsorber, waste, conduit, krypton, xenon, rinsing, valve, gases, concentration ...

582. 4036728 , July 19, 1977 , Converting a diaphragm electrolytic cell to a membrane electrolytic cell , Babinsky, Andrew D., Chagrin Falls, OH, 05688842

CORE TERMS: cell, membrane, matting, electrolytic, diaphragm, electrode, foraminous, slurry, film, cathode ...

583. 4031484 , June 21, 1977 , Portable chemical laser with gas recirculation , Freiberg, Robert J., South Windsor, CT; Fradin, David W., Manchester, CT; Chenausky, Peter P., West Hartford, CT; Biancardi, Frank R., South Windsor, CT, 05630828

CORE TERMS: laser, gas, medium, deuterium, gases, chemical, scrubber, fluoride, optical, sulfur ...

584. 4023712 , May 17, 1977 , Portable spray container device , Babiak, Ihor, 215 Renforth Drive Etobicoke, Ontario, CA; Klymciw, Ihor, 215 Renforth Drive Etobicoke, Ontario, CA, 05652886

CORE TERMS: spray, container, composition, portable, pressurized, covering, sprayable, taste, suspending, cap ...

585. 4023398 , May 17, 1977 , Apparatus for analyzing trace components , French, John Barry, 4 Thornbank Road Thornhill, Ontario, CA; Reid, Neil M., 165 Royal Orchard Blvd. Thornhill, Ontario, CA; Buckley, Janette A., 6 Tepee Court Willowdale, Ontario, CA, 05555202

CORE TERMS: ion, gas, orifice, vacuum, curtain, region, duct, chamber, fluid, aperture ...

586. 4019098 , April 19, 1977 , Heat pipe cooling system for electronic devices , McCready, Raymond George, South Bend, IN; Eggers, Philip Eugene, Worthington, OH, 05584313

CORE TERMS: heat, module, pipe, channel, vapor, integrated, region, condenser, capillary, cooling ...

587. 4007601 , February 15, 1977 , Tubular sublimator/evaporator heat sink , Webbon, Bruce W., San Jose, CA, 05623187

CORE TERMS: tube, sublimator, heat, ice, evaporator, cooling, casing, porous, fluid, vapor ...

588. 4006595 , February 8, 1977 , Refrigerant-powered engine , Forbes, William J., Cocoa, FL, 05645396

CORE TERMS: valve, tank, turbine, rotary, solenoid, vapor, port, bulb, sink, outlet ...

589. 3986665 , October 19, 1976 , Heating system for vehicles having an internal combustion engine , Kofink, Siegfried, Zell, Wurttemberg, DT; Reuter, Fritz, Esslingen, DT, 05554108

CORE TERMS: heat, reservoir, chamber, heating, vacuum, medium, stored, exhaust, fluid, heating system ...

590. 3984224 , October 5, 1976 , Air conditioning system for a motor home vehicle or the like , Dawkins, Claude W., 4900 NW. 30 St. Oklahoma City, OK

73122, 05581102

**CORE TERMS:** compressor, conduit, heat, condenser, evaporator, medium, a-c, suction, blower, air conditioning ...

591. 3982526 , September 28, 1976 , Turning collectors for solar radiation , Barak, Amitzur Z., Chicago, IL, 05579179

**CORE TERMS:** collector, axle, shadow, heat-expansive, polar, solar, heated, turning, pivot, noon ...

592. 3969164 , July 13, 1976 , Native oxide technique for preparing clean substrate surfaces , Cho, Alfred Yi, New Providence, NJ; Tracy, Jr., Joseph Charles, Romeo, MI, 05605041

**CORE TERMS:** substrate, sub, sup, layer, oxide, gallium, native, doped, n-type, epitaxial ...

593. 3963460 , June 15, 1976 , Method and apparatus for treating waste gases containing radioactive impurities, particularly krypton and xenon nuclides , Stumpf, Willy, Oberstedten, DT; Queiser, Horst, Hochstadt, DT; Juntgen, Harald, Essen, DT; Schroter, Hans-Jurgen, Essen, DT; Knoblauch, Karl, Essen, DT, 05458033

**CORE TERMS:** gas, reactor, valve, rinsing, adsorption, waste, krypton, carbon, path, enrichment ...

594. 3960787 , June 1, 1976 , Process for preparing foamable synthetic resin granules , Isukamoto, Hiroji, Osaka, JA; Morikawa, Hisashi, Takasago, JA; Nakagawa, Masao, Takasago, JA; Kato, Shinji, Takasago, JA; Miyamoto, Masaki, Yokohama, JA; Yoda, Toichiro, Ibaragi, JA; Yoshihara, Katsuhiko, Ibaragi, JA, 05476823

**CORE TERMS:** granule, resin, polymerization, cells, foamed, fine, coarse, autoclave, styrene, foaming ...

595. 3959513 , May 25, 1976 , Method and system for producing a soft food product , Strohbach, John W., Cincinnati, OH; Williams, Robert M., Cincinnati, OH; Edwards, Jeffrey D., Cincinnati, OH; Newcomer, Christopher B., Cincinnati, OH, 05520204

**CORE TERMS:** tower, mix, pump, nitrous oxide, injected, filler, food, saturated, mixture, sensor ...

596. 3957437 , May 18, 1976 , Method for detection of glycolates , Crabtree, Eleanor V., Towson, MD; Poziomek, Edward J., Bel Air, MD, 05470779

**CORE TERMS:** sub, glycolate, detection, incapacitating, composition, chemical, mixture, grams, aliphatic, sup ...

597. 3957107 , May 18, 1976 , Thermal switch , Altoz, Frank E., Baltimore, MD; Porter, Richard F., Millersville, MD, 05553700

**CORE TERMS:** heat, thermal, sink, bellows, cold, electronic, impedance, switch, watt, wick ...

598. 3954126 , May 4, 1976 , Automatic dispenser for the manufacture of ice cream in various single or mixed flavours and dispensing in cups and/or wafer

cones , Piana, Giuseppe Stefano, Milan, IT, 05445338

**CORE TERMS:** ice cream, cup, dispenser, chamber, dispensing, containers, cone, compressor, ingredient, cooling ...

599. 3952519 , April 27, 1976 , Heat transfer system employing supercooled fluids , Watson, William K. R., San Diego, CA, 05375512

**CORE TERMS:** heat, working fluid, medium, condensing, energy, chemical, sodium, acetate, melting, expander ...

600. 3945912 , March 23, 1976 , Urea dewaxing of low n-paraffin content oils , Kunert, Maximilian, Neu-Wulmstorf, DT; Wegner, Hans-Georg, Tangendorf, DT, 05484002

**CORE TERMS:** urea, adduct, distillate, mixture, mineral oil, solvent, n-paraffin, oil, dewaxing, paraffin ...

601. 3943889 , March 16, 1976 , Heat distributing tanks for retarding surface freezing , Sparber, Frederick J., R.D. -1, Box 192-A Belen, NM 87002, 05562971

**CORE TERMS:** tank, heat, fluid, pipe, ice, stock, valve, fill, sandwich, freezing ...

602. 3938114 , February 10, 1976 , Gas-powered alarm with pressure responsive remote indicator circuit , Sullivan, Joseph T., Huntingdon Valley, PA, 05458062

**CORE TERMS:** sensing, alarm, switch, heat, gas, freon, remote, trigger, chamber, powered ...

603. 3933003 , January 20, 1976 , Cryostat control , Markum, Arvel Dean, San Juan Capistrano, CA, 05538651

**CORE TERMS:** refrigerant, cryostat, contaminant, cool-down, heat exchanger, cooling, cycle, steady state, joule-thomson, expansion valve ...

604. 3922154 , November 25, 1975 , Method for purification of sodium hydroxide , Kawasaki, Shigetake, Isehara, JA; Owa, Masaru, Hino, JA; Hayano, Ichiro, Ashigara, JA; Akiya, Takaji, Yokohama, JA; Takeuchi, Norio, Isehara, JA; Goto, Totaro, Kokubunji, JA; Ishizaka, Seiichi, Tokyo, JA, 05395072

**CORE TERMS:** sodium hydroxide, crystals, refrigerant, melted, sodium chloride, aqueous, separated, heat, electrolyzate, concentration ...

605. 3918149 , November 11, 1975 , Al/Si metallization process , Roberts, Gary, Mountain View, CA, 05484071

**CORE TERMS:** layer, silicon, aluminum, alloy, substrate, region, etch, evaporation, insulating, prior art ...

606. 3897506 , July 29, 1975 , Process for the production of freon , Yang, Kang, Ponca City, OK; Greenfield, Gaylord G., Ponca City, OK; Henry, Jr., Joseph D., Morgantown, WV, 05357751

**CORE TERMS:** sub, fwdarw, fluoride, sodium, hydrogen fluoride, sif, bifluoride, naf, nahf, integrated ...

607. 3896622 , July 29, 1975 , Mobile power generation device employing tropical

water thermocline , Daniello, George T., 15704 Pamela Dr. Silver Spring, MD 20904, 05490845

CORE TERMS: housing, working fluid, cycle, piston, counterweight, energy, ocean, heat, energy conversion, thermocline ...

608. 3885939 , May 27, 1975 , Cryostat control , Markum, Arvel Dean, San Juan Capistrano, CA, 05464078

CORE TERMS: refrigerant, cryostat, contaminant, cool-down, heat exchanger, cooling, cycle, steady state, joule-thomson, expansion valve ...

609. 3885398 , May 27, 1975 , Air conditioning system for a motor home vehicle or the like , Dawkins, Claude W., 4900 N.W. 30 St. Oklahoma City, OK 73122, 05423280

CORE TERMS: compressor, condenser, heat, conduit, medium, evaporator, suction, air conditioning, driven, blower ...

610. 3884414 , May 20, 1975 , Solar heating device , Baer, Stephen C., Corrales, NM, 05458913

CORE TERMS: panel, interior, exterior, reservoir, canister, louver, energy, solar, tube, heat loss ...

611. 3879956 , April 29, 1975 , Ice crystal wash , Ganiaris, Neophytos, 3671 Hudson Manor Ter. Riverdale, NY 10463, 05355691

CORE TERMS: tank, brine, butane, conduit, ice crystals, crystal, fresh water, washed, fluid, withdrawn ...

612. 3876119 , April 8, 1975 , Inverting liner pressurized tank , Lamkin, James E., Tulsa, OK, 05335830

CORE TERMS: tank, liner, gas, pressurized, mixture, earth, condensible, inside, pipe, cylindrical ...

613. 3873745 , March 25, 1975 , Lyophilisation process in atmosphere of condensable gas , Rey, Louis, St. Legier, CH; Bouldoires, Jean-Pierre, La Tour-de-Peilz, CH; Rovero, Dominique, Chailly sur Clarens, CH, 05330755

CORE TERMS: chamber, condenser, medium, atmosphere, torr, solvent, gaseous, vapour, pump, sublimation ...

614. 3872714 , March 25, 1975 , Method and apparatus for testing a valve , Carlson, Jr., William L., St. Cloud, MN, 05437553

CORE TERMS: valve, leakage, disc, testing, vapor, pneumatic, bubbles, boiling point, closure, fluid ...

615. 3845051 , October 29, 1974 , ALPHA, OMEGA-DI-S-TRIAZINYL PERFLUOROPOLYOXAALKANES , 057108623

CORE TERMS: atom, viscosity, amidine, carbon, anhydride, stirring, formula, slope, mole, perfluoropolyoxaalkane ...

616. 3840656 , October 8, 1974 , PROCESS FOR IMPROVING THE DURABILITY AND QUALITY OF A HAIR SET AND NEW PRODUCTS FOR CARRYING OUT THIS PROCESS , 057024417

CORE TERMS: hair, composition, thiol, shampoo, disulfide, mixture, rollers, dried, acid, dithiodiglycerol ...

617. 3838577 , October 1, 1974 , WATER CRYSTALLIZATION , Graniaris, Neophytos, Riverdale, NY, 05355689

CORE TERMS: mixture, ice crystals, atmospheric pressure, direct contact, crystallization, concentrate, fresh water, refrigerant, proportion, hydrates ...

618. 3838073 , September 24, 1974 , POLY(FLUOROALKOXYPHOSPHAZENE) HOMOPOLYMERS , 057284200

CORE TERMS: polymer, solvent, acetone, poly, homopolymer, soluble, fluoroalkoxyphosphazene, tetrahydrofuran, insoluble, benzene ...

619. 3837724 , September 24, 1974 , GAS PANEL FABRICATION , Haberland, Peter H., Woodstock, NY; Lay, Frank M., Woodstock, NY; Murphy, Thomas J., Rhinebeck, NY; Skolnik, Marvin B., Woodstock, NY; Spencer, Oliver S., Woodstock, NY; Wagner, Peter R., Lake Katrine, NY; Whitaker, Howard L., Kingston, NY; Wilson, Donald M., Kingston, NY, 05405205

CORE TERMS: glass, gas, coating, panel, minute, electrical, layer, laminate, photoresist, dielectric ...

620. 3826304 , July 30, 1974 , ADVANTAGEOUS CONFIGURATION OF TUBING FOR INTERNAL BOILING , Withers, Jr., James G., Dearborn, MI; Dean, Harvey R., Dearborn, MI; Ross, Stuart T., Manlius, NY, 05086708

CORE TERMS: tubing, tube, heat, boiling, refrigerant, rib, fluid, ribbing, helical, convolution ...

621. 3824799 , July 23, 1974 , WASH OF ICE CRYSTALS , Ganiaris, Neophytos, Riverdale, NY, 05355688

CORE TERMS: screen, ice crystals, crystal, tank, brine, ice, upward, washed, washing, tube ...

622. 3823427 , July 16, 1974 , AEROSOL HYDRAULIC DRAIN OPENER , Pittet, Gilbert H., West Paterson, NJ, 05353858

CORE TERMS: propellant, drain, aerosol, clogged, pipe, valve, actuator, liquefied, container, conduit ...

623. 3823145 , July 9, 1974 , REMOVAL OF IMPURITIES FROM POLYOLS , 057126343

CORE TERMS: polyol, solvent, centrifugal, molecular, adduct, mixture, hexane, oxide, polyol-solvent, separator ...

624. 3821129 , June 28, 1974 , METHOD AND APPARATUS FOR EXTRUSION OF THERMOPLASTICS , Johnson, David E., Macedon, NY, 05308386

CORE TERMS: extruder, molten, mixture, screw, extrusion, thermoplastic, secondary, zone, blowing, cooling ...

625. 3820382 , June 28, 1974 , METHOD AND APPARATUS FOR DETECTING LEAKAGES IN THE VACUUM SYSTEM OF MOTOR VEHICLES , Andres, Rudolf, Sindelfingen, DT; Moller, Hermann, Aidlingen, DT; Seyfried, Franz, Sindelfingen, DT, 05195671



CORE TERMS: vacuum, leakage, gas, detecting, detector, cooling, vacuum pump, air line, leak, motor vehicle ...

626. 3818487 , June 18, 1974 , SOFT CONTROL MATERIALS , Brody, Warren M., Armory Rd. Milford, NH 03055; Johnson, Avery R., Armory Rd. Milford, NH 03055, 05283523

CORE TERMS: freon, tube, bag, layer, heat, valve, muscle, fluid, gas, soft ...

627. 3811422 , May 21, 1974 , CHEMICAL HEATER TUBE , Olson, Donald R., State College, PA, 05296361

CORE TERMS: heat, container, tube, heater, alkali, sub, fluorocarbon, cartridge, reactant, heating ...

628. 3808595 , April 30, 1974 , CHAFF DISPENSING SYSTEM , Coop, William Henry, Torrance, CA; Christian, Robert Dale, Santa Ana, CA; Gaffney, John Stiles, Santa Ana, CA, 05349968

CORE TERMS: chaff, slurry, container, gas, particles, bladder, carrier, aperture, dispensing, density ...

629. 3804769 , April 16, 1974 , SOLVENT COMPOSITIONS , 057229545

CORE TERMS: solvent, composition, boiling, mixture, flux, trichloropentafluoropropane, azeotrope, azeotropic, cleaning, methanol ...

630. 3801585 , April 2, 1974 , PREPARATION OF 3,4-DICYANO-1,2,5-THIADIAZOLE FROM HCN, TRIMETHYLAMINE, CHLORINE, AND SULFUR OR SULFUR DICHLORIDE , 057185347

CORE TERMS: amine, sulfur, atom, tertiary, carbon, compound, nitrogen, dichloride, chlorine, trimethylamine ...

631. 3798876 , March 26, 1974 , ABATEMENT OF AIR POLLUTION FROM ORGANIC COMPOUNDS WITH POLYMERIC ADSORBENTS , Kennedy, David C., Malvern, PA, 05203444

CORE TERMS: resin, organic, carbon, gram, sup, adsorbent, activated, vapor, cycle, regeneration ...

632. 3792022 , February 12, 1974 , PERFLUORO ADDITION POLYMERS , 057301454

CORE TERMS: anhydride, perfluoro, compound, peroxide, cf2, polymer, tube, catalyst, reactant, ether ...

633. 3791044 , February 12, 1974 , THROUGH DRYING FOR FIBROUS WEB , Busker, Leroy H., Rockton, IL; Daane, Robert A., Rockton, IL, 05260807

CORE TERMS: web, drying, steam, heat, zone, separator, chamber, fluid, dryer, immiscible ...

634. 3788666 , January 29, 1974 , PROTECTION SYSTEM , Kramer, Jack M., Los Angeles, CA; Sitabkhan, Abdul N., El Monte, CA, 05166528

CORE TERMS: bag, fluid, valve, container, switch, inlet, passenger, bushing, inflatable, collision ...

635. 3782979 , January 1, 1974 , SPRAY SHOE POLISH , 057286247

CORE TERMS: shoe, wax, plasticizer, cellulose, silicone, shoe polish, build-up, cracking, pigment, diethyl ...

636. 3781200 , December 25, 1973 , FLUOROCARBON AND OXYGEN-PROVIDING COMPOUND  
TREATMENT OF WASTE WATERS , 057290159

CORE TERMS: oxygen, body of water, pipe, container, fat, waste water, soluble, h202, hydrogen peroxide, mixture ...

637. 3780534 , December 25, 1973 , LIQUEFACTION OF NATURAL GAS WITH PRODUCT USED  
AS ABSORBER PURGE , Lofredo, Antony, Springfield, NJ; Biava, Domenick R.,  
Somerset, NJ, 04843427

CORE TERMS: stream, conduit, nitrogen, gas, natural gas, cycle, feed, column, cooled, compressor ...

638. 3776925 , December 4, 1973 , CYCLIC ORGANIC COMPOUNDS , 057162262

CORE TERMS: compound, insecticidal, mixture, solvent, methoxy, flies, ethoxy, insect, ether, potentiator ...

639. 3776873 , December 4, 1973 , SPRAYABLE COMPOSITIONS , 046746245

CORE TERMS: acid, composition, salt, sulfonic, polymeric, aerosol, sprayable, polymer, carbonated, mixture ...

640. 3774392 , November 27, 1973 , INSTALLATION INCLUDING A PRIME MOVER AND  
MEANS FOR EXTRACTING ENERGY FROM A HOT FLUID MEDIUM AND USING IT TO DRIVE THE  
PRIME MOVER , Davies, John Moseley, Lavender Cottage, Weeden Ln. Amersham, EN;  
Clarke, John Colin, Darien 6 Abbey Ln. Northwich, EN, 05215894

CORE TERMS: refrigerant, vapor, prime mover, emulsion, vessel, fluid, heat exchanger, heat, hot, exchanger ...

641. 3772314 , November 13, 1973 ,  
2-HYDROXYMETHYL-3-BENZYLOXY-6-PYRIDINECARBOXALDEHYDE, INTERMEDIATE FOR PREPARING  
BRONCHODILATORS , 057256840

CORE TERMS: bronchodilator, pyridinecarboxaldehyde, cardiovascular, intermediate, selectivity, salbutamol, aminoethyl, pulmonary, compounds, cardiac ...

642. 3770633 , November 6, 1973 , ANTI-ICING AND LUBRICATING COATING COMPOSITION  
, 057194901

CORE TERMS: polysiloxane, coating, snow, composition, silica, compound, ether, ethylene glycol, mixture, methyl ...

643. 3759181 , September 18, 1973 , ANTI-DISTURBANCE FUZE , Mellen, George P.,  
Wayzata, MN, 05219620

CORE TERMS: rotor, firing pin, clutch, counterweight, spring, anti-disturbance, cam, safe, arming, fuze ...

644. 3757516 , September 11, 1973 , GEOTHERMAL ENERGY SYSTEM , McCabe, Barkman  
C., Los Angeles, CA, 05180342

CORE TERMS: geothermal, hot water, fluid, heat, pump, energy, turbine,

exchanger, plant, steam ...

645. 3753656 , August 21, 1973 , GAS CHROMATOGRAPH , Matson, James H., Kent, WA;  
Goings, Robert, Washington, DC, 05132029

CORE TERMS: gas, sub, sample, column, detector, hydrocarbon, chromatographic,  
gases, carrier, valve ...

646. 3745652 , July 17, 1973 , DENTURE ADHERENCE DEVICE , Alderman, Roy, 700  
Carriage Hill Rd. Virginia Beach, VA, 05251260

CORE TERMS: denture, cavity, gum, cylindrical, suction, chamber, user, seal,  
hole, artificial ...

647. 3741723 , June 26, 1973 , TREATING KERATINIC FIBERS WITH POLYSULFHYDEXYLATED  
POLYMERS , 057112759

CORE TERMS: anhydride, polymer, maleic, copolymer, calculated, formula, hair,  
ethylene, mol, recurring ...

648. 3735376 , May 22, 1973 , LEAKAGE INDICATOR FOR A FIRE EXTINGUISHER ,  
Kermer, Jack M., Los Angeles, CA; Sitabkhan, Abdul N., El Monte, CA, 05121452

CORE TERMS: container, diaphragm, fluid, fire extinguisher, lamp, port,  
microswitch, cap, fire extinguishing, differential ...

649. 3730782 , May 1, 1973 , NON-ACTIVATED SOLDERING FLUX , 057058644

CORE TERMS: flux, rosin, soldering, solvent, fluorocarbon, surfactant,  
cationic, residue, alcohol, water white ...

650. 3728233 , April 17, 1973 , POROUS ELECTRODE HAVING OPEN FEED CAVITY ,  
057226039

CORE TERMS: electrode, feed, electrolyte, porous, anode, cavity, carbon, cell,  
pore, electrochemical ...

651. 3727570 , April 17, 1973 , DRAG REDUCTION METHOD , Molinski, John, 128  
Purington Street Somerset, MA 02726, 05012520

CORE TERMS: polymer, freon, suspension, chain, torpedo, drag, fluorocarbon,  
polyethylene, injection, aquatic ...

652. 3726141 , April 10, 1973 , FAST-RESPONSE TWO-PHASE THERMOMETER , Bremer,  
Norman C., Ithaca, NY, 05130666

CORE TERMS: fluid, bulb, thermometer, diaphragm, bore, thermal, capillary,  
shell, mercury, porous ...

653. 3716988 , February 20, 1973 , PRESSURE TRANSLATING APPARATUS AND PROCESS ,  
Wurm, Jaroslav, Cicero, IL, 05108115

CORE TERMS: compressor, energy, engine, heat, secondary, valve, volume,  
regenerative, working fluid, heat engine ...

654. 3716882 , February 20, 1973 , AUTOMATIC INFLATOR DEVICE FOR EXPANDABLE  
STRUCTURES , 057061454

**CORE TERMS:** pin, piercing, container, inflating, disc, trigger, valve, hydrostatic, bellows, soluble ...

655. 3708996 , January 9, 1973 , PRESSURE TRANSLATING APPARATUS AND PROCESS , Wurm, Jaroslav, 2240 S. 59th Avenue Cicero, IL 60650, 05157456

**CORE TERMS:** piston, compression, chamber, fluid, heat, refrigerant, translating, cushion, cycle, cooling ...

656. 3705925 , December 12, 1972 , METHOD FOR SEPARATION OF FATTY ALCOHOLS FROM HYDROCARBONS , 046808486

**CORE TERMS:** alcohol, hydrocarbon, fluorocarbon, chamber, perfluoro, conduit, aluminum, carbon, alkyl, extraction ...

657. 3702615 , November 14, 1972 , NON-TOBACCO SMOKEABLE, CHEWING AND DIPPING PRODUCT , Rozacky, Eugene E., 1304 Wentwood Drive Irving, TX 75060; Rozacky, Rebecca, 1304 Wentwood Drive Irving, TX 75060, 05058624

**CORE TERMS:** ethylene oxide, propylene, oxide, shredded, tobacco, mixture, plant, dried, leaf, fiber ...

658. 3698185 , October 17, 1972 , METHOD FOR DISPERSING DISCRETE PARTICLES , Crecelius, John D., Ridgecrest, CA, 04866072

**CORE TERMS:** flakes, tank, slurry, shield, freon, heat, manifold, aircraft, gas, ball bearing ...

659. 3695050 , October 3, 1972 , LIQUID PROPELLANT STORAGE TANK , Bancroft, George H., Davenport, IA, 05037072

**CORE TERMS:** foam, tank, chamber, gas, radiation, helium, thermal conductivity, thermal, storage, carbon dioxide ...

660. 3692567 , September 19, 1972 , METHOD FOR CONTROLLING NOXIOUS VAPORS , 057148952

**CORE TERMS:** flame, phosphate, fibrous, retardant, vapors, getter, halogenated, noxious, liberated, compound ...

661. 3691841 , September 19, 1972 , TEMPERATURE COMPENSATOR , Lorenzino, Paul, Duncan, OK; Love, Robert G., Duncan, OK, 05036629

**CORE TERMS:** fluid, electrode, probe, dielectric, capacitance, capacitor, plug, volume, electrically, oscillator ...

662. 3688293 , August 29, 1972 , AUTOMATIC TIME-CONTROLLED ALARM SYSTEM , Sullivan, Joseph T., Huntingdon Valley, PA, 05035684

**CORE TERMS:** alarm, terminal, capacitor, resistor, transistor, sensor, switch, solenoid, relay, cathode ...

663. 3685308 , August 22, 1972 , CHILLING CONSUMER SIZE FOOD PACKAGES , Lundquist, Burton R., 1461 Cloverdale Highland Park, IL 60035, 04859827

**CORE TERMS:** coolant, carton, package, flap, consumer, non-insulated, rapidly, carbon dioxide, container, chilling ...

664. 3684816 , August 15, 1972 , COOLING SYSTEM FOR FOAM INSULATED BUS ,  
Reighter, David H., Roslyn, PA, 05153167

CORE TERMS: dielectric, foam, bus, insulation, conductor, sub, cell, phase,  
coolant, isolated ...

665. 3667419 , June 6, 1972 , PRECISION TEMPERATURE DETECTION AND ALARM SYSTEM ,  
Sullivan, Joseph T., Huntingdon Valley, PA, 05076017

CORE TERMS: cup, heat, eutectic, disc, alarm, cylinder, horn, collector,  
activator, pellet ...

666. 3664177 , May 23, 1972 , PORTABLE DEW POINT HYGROMETER , Bridgeman, Richard  
C., Northbrook, IL; Gajewski, Wieslaw, Evanston, IL, 05064160

CORE TERMS: sensor, cooling, meter, gas, dew point, dew point temperature,  
battery, hygrometer, resistor, grid ...

667. 3663521 , May 16, 1972 , POLYMERS OF PERFLUOROBUTADIENE AND METHOD OF  
MANUFACTURE , 057145026

CORE TERMS: catalyst, polymer, perfluorobutadiene, polymerization, irradiation,  
polyperfluorobutadiene, copolymer, ultraviolet, peroxydicarbonate, diisopropyl  
...

668. 3660372 , May 2, 1972 , BIPHENYL CONTAINING DIAZONIUM FLUORIDE COMPOUNDS ,  
046748922

CORE TERMS:

669. 3657357 , April 18, 1972 , INSECTICIDAL COMPOUNDS AND METHODS FOR THEIR  
PREPARATION , 046842735

CORE TERMS: compound, insect, fly, dieldrin, insecticide, strain, insecticidal,  
solvent, blowfly, p-ethoxyphenyl ...

670. 3655044 , April 11, 1972 , SEPARATION OF MOLYBDENUM SULFIDE FROM COPPER  
SULFIDE WITH DEPRESSANTS , Delaney, John F., Tucson, AZ, 05004356

CORE TERMS: copper, flotation, reagent, pulp, concentrate, froth, sulfide,  
mineral, emf, ore ...

671. 3653222 , April 4, 1972 , METHOD OF FREEZING SOLUTION DROPLETS AND THE LIKE  
USING IMMISCIBLE REFRIGERANTS OF DIFFERING DENSITIES , Dunn, Eugene Blair, South  
Plainfield, NJ; Masavage, Gerald James, Manville, NJ; Sauer, Harold Alfred,  
Hatboro, PA, 05015001

CORE TERMS: refrigerant, droplet, interface, injection, zone, salt, freezing,  
density, differential, region ...

672. 3650405 , March 21, 1972 , APPARATUS FOR CHLORINATING SWIMMING POOLS ,  
Morrison, Robert L., 18219 Van Ness Ave. Torrance, CA 90504, 04863104

CORE TERMS: chlorine, gas, dispersion, carbon dioxide, valve, hose, swimming  
pool, pool, dolly, orifice ...

673. 3643656 , February 22, 1972 , INFLATABLE SURGICAL CAST , Young, Joseph V.,  
Route 2, Box 90A Lewisville, TX 75064; Johnson, Richard M., 3815 Weeburn Drive

Dallas, TX 75229, 04833355

CORE TERMS: cast, shell, leg, chamber, heelpiece, sheet, flexible, tubular, cylindrical, aperture ...

674. 3634636 , January 11, 1972 , AUTOMATIC CIRCUIT CONTROL SWITCH , Lyon, Jerry H., Stanhope, NJ, 05070807

CORE TERMS: switch, thruster, atmosphere, conductor, spring, vapor, housing, automatically, ambient, rubber ...

675. 3621666 , November 23, 1971 , COOLING APPARATUS AND PROCESS , 046880733

CORE TERMS: membrane, gas, heat, thermal, permeable, cooling, exchanger, porous, inlet, outlet ...

676. 3621665 , November 23, 1971 , THERMAL PUMP AND PROCESS , 046880732

CORE TERMS: membrane, gas, thermal, pump, porous, permeable, heat, outlet, inlet, gradient ...

677. 3618974 , November 9, 1971 , VEHICLE SAFETY APPARATUS , Chute, Richard, Huntington Woods, MI, 04814031

CORE TERMS: confinement, reservoir, gas-producing, accident, explosive charge, fluid, occupant, occurrence, vaporization, particulated ...

678. 3618854 , November 9, 1971 , VEHICLE-HEATING SYSTEM EMPLOYING A CRITICAL POINT HEAT PIPE , Frank, Sidney, Baltimore, MD, 04786053

CORE TERMS: heat, pipe, sub, engine, transport, sink, evaporator, heat exchanger, coolant, working fluid ...

679. 3612923 , October 12, 1971 , ELECTROGASDYNAMIC CONVERTER WITH RESISTIVE CHANNEL , Collier, Edward L., Morris Plains, NJ; Gourdine, Meredith C., West Orange, NJ; McCrae, Harold W., Upper Montclair, NJ, 04673078

CORE TERMS: channel, sub, path, electrode, resistance, collector, aerosol, film, converter, stream ...

680. 3610323 , October 5, 1971 , COOL COAT , Troyer, Dan E., Rte. 2, Box 53 Fredericksburg, OH 44627, 04867667

CORE TERMS: tubular, network, garment, cooling, tube, coat, cool, reservoir, bulb, capillary ...

681. 3608114 , September 28, 1971 , INFLATABLE STRUCTURE DEVICE AND METHOD OF INFLATING SAME , 057000969

CORE TERMS: inflating, bladder, wicking, inflation, life vest, inflatable, container, rapid, vest, web ...

682. 3591967 , July 13, 1971 , FEED SYSTEM FOR AN ION THRUSTER , Paine, T. O. Administrator of the National Aeronautics and Space Administration, with respect to an invention of, La Crescenta, CA; Masek, Tommy D., 3788 Cloud Ave. La Crescenta, CA, 04760114

CORE TERMS: mercury, vapor, vaporizer, reservoir, chamber, propellant, engine,

vaporized, ion, conduit ...

683. 3590597 , July 6, 1971 , COOLING APPARATUS EMPLOYING THE JOULE-THOMSON EFFECT , Campbell, David Neil, Redditch, EN, 04847917

CORE TERMS: refrigerant, heat exchanger, cooling, nozzle, sensor, tubular, tube, cooler, valve, first stage ...

684. 3587725 , June 28, 1971 , HEAT PIPE HAVING A SUBSTANTIALLY UNIDIRECTIONAL THERMAL PATH , 046767956

CORE TERMS: heat, pipe, region, wick, fluid, working fluid, capillary, housing, unidirectional, spacecraft ...

685. 3580003 , May 25, 1971 , COOLING APPARATUS AND PROCESS FOR HEAT-ACTUATED COMPRESSORS , Dolan, Joseph P., Chicago, IL, 04752710

CORE TERMS: compressor, refrigerant, cooling, heat-actuated, boiling, regenerative, cooler, heat, cooling system, atmosphere ...

686. 3578520 , May 11, 1971 , THERMAL INSULATION AND BOND FOR SOLID FUEL MOTORS AND METHOD OF MAKING SAME , 046745638

CORE TERMS: grain, casing, propellant, rocket, insulating, bonding, foam, foaming, bond, elastomeric ...

687. 3578210 , May 11, 1971 , AEROSOL DISPENSING CONTAINER WITH RESERVE PROPELLANT CHAMBERS , Pitrolffy-Szabo, Thomas B., 728 Belmont St. Watertown, MA 02172, 05002276

CORE TERMS: propellant, chamber, container, compartment, reserve, valve, quantity, gas, expel, novel ...

688. 3567117 , March 2, 1971 , ICE NUCLEI FORMATION , Eustis, William E. C., Cambridge, MA, 04854102

CORE TERMS: ice, nuclei, conduit, droplet, stream, nozzle, humidity, housing, airstream, nucleating ...

689. 3566669 , March 2, 1971 , METHOD AND APPARATUS FOR THERMALLY EXAMINING FLUID PASSAGES IN A BODY , 046757435

CORE TERMS: blade, fluid, thickness, exterior, thermal, vane, thermocouple, cooling, dimension, turbine ...

690. 3565306 , February 23, 1971 , METHOD FOR DICING AND CLEANING SEMICONDUCTOR SLICES , St. Louis, Jacques R., Ottawa, Ontario, CA, 04819735

CORE TERMS: slice, holder, dice, cleaving, vacuum, ring, screen, disc, cylindrical, scribed ...

691. 3564727 , February 23, 1971 , FREEZE DRYER USING AND EXPENDABLE REFRIGERANT , 046803760

CORE TERMS: chamber, freeze drying, refrigeration, vacuum, heat, novel, door, refrigerant, condensing, stoppering ...

692. 3564088 , February 16, 1971 , PROCESS FOR FLASH SPINNING AN INTEGRAL WEB OF

POLYPROPYLENE PLEXIFILAMENTS , 046854920

CORE TERMS: orifice, spinneret, solvent, polymer, chamber, web, spinning, strand, let-down, integral ...

693. 3564023 , February 16, 1971 , 1,4-BIS-(TRIS(NF/2\METHOXY)-2-BUTENE OXIDE AND POLYMER THEREOF , 046386088

CORE TERMS: nf2, polymer, oxide, butene, epoxide, trans, binder, cis, tris, propellant ...

694. 3563309 , February 16, 1971 , HEAT PIPE HAVING IMPROVED DIELECTRIC STRENGTH , Basiulis, Algerd, Redondo Beach, CA, 04759854

CORE TERMS: heat, pipe, wick, working fluid, vapor, housing, inert gas, fluid, sub, dielectric ...

695. 3560849 , February 2, 1971 , LIQUID TEMPERATURE CONTROLLED TEST CHAMBER AND TRANSPORT APPARATUS FOR ELECTRICAL CIRCUIT ASSEMBLIES , 046660673

CORE TERMS: integrated, relay, packaged, switch, tape, transport, terminal, coil, magazine, arm ...

696. 3559737 , February 2, 1971 , UNDERGROUND FLUID STORAGE IN PERMEABLE FORMATIONS , Ralstin, James F., 672 Union Center Building Wichita, KS 67202; Heathman, Jack H., 672 Union Center Building Wichita, KS 67202, 04726720

CORE TERMS: formation, storage, fluid, refrigerant, zone, aquifer, gas, fracture, hydrate, rock ...

697. 3558756 , January 26, 1971 , PROCESS OF MAKING GELATIN WOOL FILTER , 046804291

CORE TERMS: gelatin, filter, wool, alcohol, micron, particles, vacuum, bacteriological, ethylene oxide, sterilizing ...

698. 3554958 , January 12, 1971 , PROTECTIVE COATING AND LUBRICANT , 046728074

CORE TERMS: composition, coating, solvent, polyepoxide, molecular weight, aerosol, nitrous oxide, propellant, film, resin ...

699. 3552347 , January 5, 1971 , GAS POWERED SWIMMING AID , Hastings, Caryl C. B., 5 Arrow St. Cambridge, MA 02138, 04808847

CORE TERMS: gas, compressed, tube, propulsion, nonporous, elastic, marine, propeller, container, roller ...

700. 3551204 , December 29, 1970 , ELECTRONIC DEVICES FROM ENCAPSULATION IN POTTING COMPOUNDS

CORE TERMS: solvent, composition, potting, compound, ether, ethylene glycol, wiring, carbon, electronic devices, encapsulated ...

701. 3550248 , December 29, 1970 , METHOD OF PERFORATING TUBES

CORE TERMS: tubulous, apertures, flexible, hollow, fluid, remote control, hole, tube, dimensionally, transmitting ...



702. 3548058 , December 15, 1970 , 8-CHROMANYL CARBAMATE ESTERS AS PESTICIDES  
 CORE TERMS: kill, compound, mixture, ether, methylcarbamate, preparation, pesticidal, dried, benzene, bean ...
703. 3546976 , December 15, 1970 , POWER OPERATED DRILL  
 CORE TERMS: chamber, valve, drilling, actuating, drill, workpiece, spray, rod, fluid, connecting ...
704. 3546186 , December 8, 1970 , COPOLYMERS OF SUBSTITUTED PERFLUOROVINYL ETHERS  
 CORE TERMS: ether, fluoride, perfluorovinyl, substituted, comonomers, copolymers, monomers, carbons, hexafluoropropylene, fluorinated ...
705. 3544274 , December 1, 1970 , HALOGEN PRODUCTION  
 CORE TERMS: halogen, halide, oxidation, zone, effluent, nitrogen, hydrogen, distillation, compound, oxygen ...
706. 3543324 , December 1, 1970 , PIPELINE PIG AND ASSOCIATED APPARATUS  
 CORE TERMS: pipeline, pig, fluid, cell, equalization, therethrough, indefinite, inflation, spherical, interior ...
707. 3531048 , September 29, 1970 , SUPERSONIC STREAMING  
 CORE TERMS: nozzle, inlet, hole, boundary layer, throat, plane, supersonic, outlet, implosion, effective ...
708. 3528256 , September 15, 1970 , FREEZE CRYSTALLIZATION USING DIRECT REFRIGERANT  
 CORE TERMS: refrigerant, freezer, crystals, ice, hydrate, direct contact, freezing, washing, partial, crystallization ...
709. 3526094 , September 1, 1970 , RAMJET ENGINE WITH RETRACTABLE LOW-SPEED DEFLECTORS  
 CORE TERMS: ramjets, deflectors, rotary, carrier, aft, curved, engine, fore, retracting, starting ...
710. 3525243 , August 25, 1970 , WIRE CLEANING APPARATUS  
 CORE TERMS: hollow, wire, wire drawing, bore, piezoelectric, acoustic, cleaning, longitudinal, discs, article-receiving ...
711. 3525236 , August 25, 1970 , PORTABLE SELF-COOLING DEVICE  
 CORE TERMS: beverage, cooling, chamber, refrigerant, self-cooling, portable, gases, gas, drop in temperature, elongated ...
712. 3524911 , August 18, 1970 , AEROSOL INSECTICIDAL COMPOSITIONS  
 CORE TERMS: insecticide, toxic, strip, composition, concentration, insecticidal, user, foam-forming, effective, container ...

713. 3522659 , August 4, 1970 , METHOD AND APPARATUS FOR TREATING SOLID MATERIAL IN PARTICULATE OR FIBROUS FORM

CORE TERMS: chamber, gas, outlet, treating, pressurized, jets, streams, outer boundary, revolution, engagement ...

714. 3513240 , May 19, 1970 , CONTROLLING BEETLES WITH 3,5-DIMETHYL-4DIMETHYLAMINOMETHYLPHENYL N METHYLCARBAMATE

CORE TERMS: compound, beetles, concentration, plants, ch3, inter alia, dimethylaminomethylphenyl-n-methylcarbamate, insecticidal, preparation, composition ...

715. 3512965 , May 19, 1970 , ELECTROPRINTING METHOD

CORE TERMS: developer, barrier, layer, electrostatic, solvent, n-heptane, photoconductive, conductivity, oil, latent ...

716. 3507866 , April 21, 1970 , PROCESSES FOR THEIR PREPARATION

CORE TERMS: methyl, alkyl, acid, ch3, carbon, atom, hydrazide, ch2, recrystallized, substituted ...

717. 3503685 , March 31, 1970 , TEMPERATURE COMPENSATED SPECTROSCOPIC APPARATUS

CORE TERMS: slit, ring, grating, wavelength, curve, focal, exit, angstroms, spectrum, housing ...

718. 3499238 , March 10, 1970 , BUBBLING DISPLAY DEVICE

CORE TERMS: bubble, display, beer, champagne, envelope, column, transparent, perforations, perforated, smaller ...

719. 3499009 , March 3, 1970 , POLYOLS OF METHYLENEDIANILINES

CORE TERMS: polyol, alkoxylation, alkylene, oxide, methylenedianiline, alkoxylation, polyurethanes, amine, ethylene oxide, preparation ...

720. 3492205 , January 27, 1970 , DISTILLATION SYSTEM AND METHOD

CORE TERMS: heat, refrigeration, distillation, evaporator, condenser, portable, solvent, tank, sea water, refrigerating ...

721. 3492196 , January 27, 1970 , BUILT-UP INSULATED STRUCTURE AND METHOD

CORE TERMS: foamed, insulating, asphalt, sheet, layer, insulation, plastic, thermoplastic, composition, copolymer ...

722. 3491554 , January 27, 1970 , HEAT-ACTUATED REGENERATIVE COMPRESSOR SYSTEM

CORE TERMS: compressor, refrigerant, heat-actuated, chamber, regenerative, cooling, piston, linkage, cycle, gas ...

723. 3487330 , December 30, 1969 , HIGH POWER DISSIPATION LASER STRUCTURE

CORE TERMS: laser, coolant, optical, disc, segmented, lamp, segment, heat, dissipation, flash ...

724. 3486848 , December 30, 1969 , REFRIGERATE D CRYSTALLIZER SYSTEM

CORE TERMS: salt, crystal, butane, contactor, liquefied, gas, phase, immiscible, cooling, coil ...

725. 3485901 , December 23, 1969 , METHOD FOR MAKING A PRIMER CONTAINING COATED NITROCELLULOSE GRANULES

CORE TERMS: primer, granules, solvent, binder, combustible, propellant, fabricating, caseless, cup, fabrication ...

726. 3475212 , October 28, 1969 , METAL CONDUCTOR COATED WITH NONLINEAR COPOLYESTER BASECOAT LAYER AND POLYAMIDE-IMIDE OUTER LAYER

CORE TERMS: acid, copolyester, phenol, resin, gram, wire, alkyl, titanium, solvent, coating ...

727. 3475108 , October 28, 1969 , BLADE STRUCTURE FOR TURBINES

CORE TERMS: blade, turbine, rotary, ring, stationary, profile, entrance, steam, high pressure, exit ...

728. 3469934 , September 30, 1969 , METHOD OF PURIFYING CLOSED ATMOSPHERES

CORE TERMS: atmosphere, tower, carbon dioxide, absorbent, conduit, charcoal, gases, regenerated, absorber, chamber ...

729. 3456052 , July 15, 1969 , AEROSOL COMPOSITION CONTAINING BUTOXYMONOETHER OF A POLYOXYALKYLENE GLYCOL

CORE TERMS: ointment, composition, propellant, spray, medicament, aerosol, ingredient, container, utilized, quantity ...

730. 3454198 , July 8, 1969 , DISPENSING DEVICE

CORE TERMS: dispensing, container, ingredient, outlet, valve, orifice, mixing, nozzle, novel, reducing agent ...

731. 3431749 , March 11, 1969 , DEVICE FOR FROSTING COCKTAIL GLASSES

CORE TERMS: spray, glass, dispenser, cooling, nozzle, cocktail, actuator, rim, platform-actuator, platform ...

732. 3431742 , March 11, 1969 , GENERATION OF COOL WORKING FLUIDS

CORE TERMS: chamber, hot, gas, gases, fluid, mixing, outlet, passageway, storage, fuel ...

733. 3425152 , February 4, 1969 , FLUID STREAM GENERATOR

CORE TERMS: fluid, stream, compartment, conduit, reservoir, generator, chamber, collection, generation, generative ...

734. 3417267 , December 17, 1968 , HEAT-ELECTRICAL POWER INTERCONVERSION DEVICES

CORE TERMS: gas, aerosol, density, conversion, vapor, velocity, electrode, corona, collector, airfoil ...

735. 3416707 , December 17, 1968 , VALVE, AEROSOL POLYMER DISPENSER, AND METHOD  
CORE TERMS: mixing, reactive, valve, polymer, zone, containers, vortex, ball, complementary, aerosol ...
736. 3415078 , December 10, 1968 , INFRARED DETECTOR COOLER  
CORE TERMS: detector, tube, chamber, gas, cooldown, stabilization, precooling, housing, inlet, refrigerant ...
737. 3407052 , October 22, 1968 , NATURAL GAS LIQUEFACTION WITH CONTROLLED Btu CONTENT  
CORE TERMS: exchanger, gas, refrigerant, compressor, supplied, feed, pounds, reduction, valve, liquefied ...
738. 3405291 , October 8, 1968 , I VAPOR  
CORE TERMS: fluid, generator, working fluid, electrode, electrogasdynamic, cycle, ions, gas, saturated, electric ...
739. 3385801 , May 28, 1968 , FLAIAE-RESITSTANT POLYURETHANES  
CORE TERMS: polyurethane, polyol, dialkyl, mixture, polyisocyanate, compound, phosphorus, foam, reactant, a-hydroxyalkylphosphonate ...
740. 3379118 , April 23, 1968 , BAKING RACK  
CORE TERMS: food, tube, pin, rack, vapor, screw, heat, baking, heating, plug ...
741. 3373580 , March 19, 1968 , PORTABLE AND SELF-CONTAINED APPARATUS FOR CHILLING AND FROSTING BEVERAGE GLASSES  
CORE TERMS: bowl, container, platform, refrigerant, glass, valve, nozzle, holder, c02, frosting ...
742. 3356088 , December 5, 1967 , BREATH-CONTROLLED ANESTHETIC APPLICATOR AND METHOD OF OPERATION  
CORE TERMS: patient, anesthesia, valve, tube, metering, breathing, arm, linkage, anesthetic agent, electrical ...
743. 3349571 , October 31, 1967 , REMOVAL OF CARBON DIOXIDE FROM SYNTHESIS GAS USING SEPARATED PRODUCTS TO COOL EXTERNAL REFRIGERATION CYCLE  
CORE TERMS: stream, refrigerant, carbon dioxide, gas, cooled, synthesis gas, discharged, vapor, residual, heat exchange ...
744. 3319432 , May 16, 1967 , REFRIGERATION SYSTEM  
CORE TERMS: refrigerant, vapor, stream, cooling, compression, vessel, refrigeration, valve, vaporization, cylinder ...
745. 3302362 , February 7, 1967 , METHOD FOR FORMING ROOF STRUCTURE  
CORE TERMS: foam, beam, roof, fiber, resin, skin, plastic, cavity, mat, reinforced ...

746. 3298383 , January 17, 1967 , FLUID BLENDING SYSTEM  
 CORE TERMS: valve, conduit, blending, mixing, chamber, fluid, blended, controller, aerosol, storage ...
747. 3273379 , September 20, 1966 , METHOD OF LOCATING LEAKS  
 CORE TERMS: leak, stream, tracer, heat exchange, fluorocarbon, approximate, moving, multiple pass, concentration, decreasing ...
748. 3271965 , September 13, 1966 , METHANE LIQUEFACTION PROCESS  
 CORE TERMS: vessel, gas, pipe, methane, natural gas, storage tank, liquefied, vapor, conveyed, cooled ...
749. 3261167 , July 19, 1966 , METHOD FOR REMOVAL OF CONTAMINANTS FROM GAS  
 CORE TERMS: cooler, evaporative, conduit, propane, cooled, gas, valve, natural gas, cooling, vapor ...
750. 3256613 , June 21, 1966 , FABRIC TREATMENT  
 CORE TERMS: fabric, cleaning, solvent, vapor, dry cleaning, drying, vacuum, cycle, heat, muck ...
751. 3232707 , February 1, 1966 , POWER RECOVERY IN AMMONIA SYNTHESIS  
 CORE TERMS: stream, gas, ammonia, organic, cooled, vapor, heat exchange, heat, converter, synthesis ...
752. 3224207 , December 21, 1965 , LIQUEFIE  
 CORE TERMS: conduit, natural gas, gaseous, heat, heat exchanger, propane, nitrogen, exchanger, gas, refrigeration ...
753. 3212699 , October 19, 1965 , GAS COMPRESSION  
 CORE TERMS: stream, ammonia, compression, cooling, gas, synthesis gas, cooled, interstage, elevated, coil ...
754. 3206185 , September 14, 1965 , SUSPENSION SYSTEM AND APPARATUS FOR SUPPORTING A STRUCTURE  
 CORE TERMS: fluid, high pressure, piston, phase, piston rod, chamber, volume, clearance, exhaust, closed circuit ...
755. 3205942 , September 14, 1965 , METHOD FOR RECOVERY OF HYDROCARBONS BY IN SITU HEATING OF OIL SHALE  
 CORE TERMS: fracture, oil shale, fluid, shale, permeability, injection, shale oil, combustion, gas, formation ...
756. 3203866 , August 31, 1965 , PROCESS AND MEANS FOR REMOVING RADIOACTIVE COMPONENTS FROM GASES AND GASEOUS AUXTURES  
 CORE TERMS: gas, purification, adsorber, purified, cooling, stream, liquid air, cooled, radioactive, protective ...

757. 3174329 , March 23, 1965 , METHOD FOR TESTING ORDNANCE SEALS  
 CORE TERMS: leak, vessel, detector, enclosure, chamber, testing, quantitative, halogen, air duct, detecting ...
758. 3159008 , December 1, 1964 , COOLING SYSTEM  
 CORE TERMS: stream, cooling, refrigerant, vapor, ammonia, compression, gas, heat exchange, cooled, cooling system ...
759. 3154087 , October 27, 1964 , MEANS AND METHOD FOR PURGING A HYDRAULIC SYSTEM  
 CORE TERMS: hydraulic, vapor, purging, conduit, reservoir, pockets, valve, pump, vapor pressure, numeral ...
760. 3146608 , September 1, 1964 , COOLING DEVICE  
 CORE TERMS: cooling, refrigerant, tube, elbow, cooler, screen, inner tube, chamber, coil, fitting ...
761. 3133009 , May 12, 1964 , CONTINUOUS ANTIDROMIC ELECTROPHORESIS  
 CORE TERMS: medium, carrier, electrophoresis, cooling, chamber, tape, buffer, amino acids, electrical, separated ...
762. 3132096 , May 5, 1964 , CONTINUOUS SALINE WATER PURIFICATION WATER VELOCITY CRYSTAL DIAMETER  
 CORE TERMS: crystal, chamber, clathrate, propane, conduit, brine, washing, fresh water, wash water, riser ...
763. 3110544 , November 12, 1963 , CLEANING METHOD FIC 3 TIME MINUTES TIMER MOTOR FILTER PUMP MOTOR 27 EDUCTOR PUMP MOTOR 89  
 CORE TERMS: fabric, cleaning, solvent, fiber, vapor, dry cleaning, cycle, vacuum, chamber, drying ...
764. 3106307 , October 8, 1963 , INSULATED CONTAINER  
 CORE TERMS: polyurethane, polystyrene, insulation, layer, container, panel, food, effective, slab, gas ...
765. 3097924 , July 16, 1963 , HELIUM RECOVERY FROM NATURAL GAS  
 CORE TERMS: vessel, conduit, hydrate, crystal, helium, nitrogen, stream, natural gas, propane, withdrawn ...
766. 3095851 , July 2, 1963 , WATER MARKING DEVICE  
 CORE TERMS: chamber, valve, container, propellant, plug, dye, polyurethane, insoluble, formerly, cellular ...
767. 3086356 , April 23, 1963 , HYPERGOLIC FUEL-OXIDIZER SYSTEM  
 CORE TERMS: fuel, bipropellant, hypergolic, rocket, ignition, additive, oxidizer, combustion chamber, concentration, mixture ...

768. 3085908 , April 16, 1963 , ATMOSPHERIC CORROSION  
 CORE TERMS: panel, coating, silicon, copper, aminoalkyl, hydrocarbon, corrosion, carbon, bond, compound ...
769. 3058136 , October 16, 1962 , POLISHING MACHINE WITH AEROSOL DISPENSER  
 CORE TERMS: wax, machine, floor, valve, container, polishing, handle, brush, housing, shaft ...
770. 3055187 , September 25, 1962 , REFRIGERATION AND AIR CONDITIONING APPARATUS  
 CORE TERMS: gas generator, pipe, cylinder, gas, exhaust pipe, heat, air conditioning, refrigeration, evaporator, valve ...
771. 3041313 , June 26, 1962 , POLYSPULAANE RESINS COMPOSITION  
 CORE TERMS: resin, polyisocyanate, mixture, wire, pentaerythritol, gms, polyspirane, acid, poly, diisocyanate ...
772. 3030274 , April 17, 1962 , ALLMMI ORGANIC COMPLEX AND ANTIPERSPIRANT COMPOSITIONS CONTAINING THESAMM  
 CORE TERMS: compound, aluminum, organic, composition, solvent, mixture, atom, acid, anti-perspirant, residue ...
773. 3019614 , February 6, 1962 , DUAL TEMPERATURE, REFRIGERATION  
 CORE TERMS: refrigerant, valve, refrigeration, evaporator, conduit, receiver, compressor, insoluble, insolubility, condenser ...
774. 3007402 , November 7, 1961 , PRINTING TRANSFERRING MACHINE  
 CORE TERMS: arm, shaft, sheet, solvent, spring, ledger, machine, cam, fast, rock ...
775. 2999264 , September 12, 1961 , MEANS FOR UNBLOCKING PIPES  
 CORE TERMS: pipe, gas, handle, sleeve, sealing, bayonet, spring, collar, pressurized, container ...
776. 2990693 , July 4, 1961 , REFRIGERATOR SYSTEM  
 CORE TERMS: vapour, cold, phase, freezable, volatile, tank, cooled, exchanger, evaporator, heat ...
777. 2986228 , May 30, 1961 , MINIATURE REVERBERATION CHAMBER SYSTEM  
 CORE TERMS: chamber, reverberation, microphone, wave, loudspeaker, gas, casing, stiffening, vibration, mounting ...
778. 2975957 , March 21, 1961 , DIFFUSION PUMPS  
 CORE TERMS: pump, pumping, fluid, vessel, vapor, diffusion, saturated, valve, mercury, ejector ...
779. 2975618 , March 21, 1961 , CONTINUOUS FREEZER

CORE TERMS: insulation, container, cylinder, freezer, tank, mix, assembled, rear, shell, pour ...

780. 2972545 , February 21, 1961 , DRESSING CONWOSITION

CORE TERMS: film, polymer, cellulose, dressing, viscosity, acetate-butyrate, plasticizer, ester, propellant, composition ...

781. 2959678 , November 8, 1960 , THERMAL IMAGING DEVICE

CORE TERMS: gas, membrane, thermal, cell, radiation, infra-red, ring, grid, chamber, visible ...

782. 2953498 , September 20, 1960 , ALCOHOLIC POLYVE%WLEMDAZOLE AEROSOL HAIR PREPARATION

CORE TERMS: polyvinyl, film, pyrrolidone, imidazole, hair, preparation, alcohol, polymer, copolymer, grooming ...

783. 2952987 , September 20, 1960 , APPARATUS FOR THE MAINTENANCE OF LIQUEFIED PETROLEUM PRODUCTS AND METHOD OF MANUFACTURE THEREOF

CORE TERMS: container, insulation, cargo, insulating, layer, gases, liquefied, petroleum, wax, asphaltic ...

784. 2952138 , September 13, 1960 , DUAL CYCLE HEAT POWERED AINCONDITIONING SYSTEM

CORE TERMS: cycle, fluid, heat, turbine, vapor, refrigeration, compressor, medium, pump, cooling ...

785. 2951552 , September 6, 1960 , GAS SEPARATOR

CORE TERMS: sieve, freon-22, molecular, modified, freon-12, gas, mixture, adsorption, gases, curve ...

786. 2951350 , September 6, 1960 , VARIABLE CAPACITY REFRIGERATION

CORE TERMS: mixture, valve, refrigeration, freon-22, sieve, refrigerant, freon-12, molecular, container, modified ...

787. 2951349 , September 6, 1960 , VARIABLE CAPACITY REFRIGERATION SYSTEM 5

CORE TERMS: refrigerant, mixture, freon-22, valve, refrigeration, freon-12, sieve, molecular, evaporator, variable ...

788. 2941866 , June 21, 1960 , PROCESS AND APPARATUS FOR PRODUCING PURE GRAFHITE ELI RODE ELECT ODE

CORE TERMS: resistor, mixture, furnace, graphite, carbonaceous, insulating, compound, processed, layer, halogenated ...

789. 2934694 , April 26, 1960 , MEASURING

CORE TERMS: ion, leak, amplifier, steady state, network, alternating current, sensing, coupling, detector, platinum ...



790. 2925722 , February 23, 1960 , EXPENDABLE LIQUID EVAPORATIVE COOLANT SYSTEM  
CORE TERMS: coolant, electronic, altitude, vaporization, cooling, heat, chassis, valve, aerial, feet ...
791. 2882853 , April 21, 1959 , MECHANISM FOR OPERATING A SIGNALLING DEVICE  
CORE TERMS: pin, fitting, piercing, lever, plug, bore, signalling, alarm, fluid pressure, counterclockwise ...
792. 2871161 , January 27, 1959 , SPRAYABLE WATER-FREE ALCOHOLIC POLYVINYLPYRROLIDONE HAIR PREPARATION 5  
CORE TERMS: hair, film, composition, preparation, alcohol, polyvinylpyrrolidone, drying, dichlorodifluoromethane, pyrrolidone, styling ...
793. 2864785 , December 16, 1958 , ENAMEL COMPOSITION AND ELECTRICAL CONDUCTOR COATED THEREWITH  
CORE TERMS: resin, wire, enamel, abrasion, polyvinylal, coating, modifying, resistance, coat, ratio ...
794. 2857307 , October 21, 1958 , FUNGICIDES AND AIE THODS OF PREPARING THE SATME  
CORE TERMS: grs, acid, mixture, mol, salt, compound, concentration, aqueous, stirring, fungi ...
795. 2836518 , May 27, 1958 , MODIFIED POLYVINYL ACETAL INSULATED CONDUCTORS  
CORE TERMS: resin, solvent, enamel, condensate, polyvinyl, wire, resistance, acetal, composition, formaldehyde ...
796. 2787140 , April 2, 1957 , HEAT PUMP SYSTEM AND CONSTRUCTION  
CORE TERMS: panel, conduit, heat pump, heat, fluid, valve, adjoining, circulating, horizontal, framing ...
797. 2764454 , September 25, 1956 , AEROSOL APPARATUS FOR DECORATIVE COAT- 5 ING AND PROCESS FOR MAKING SAID AP  
CORE TERMS: container, propellant, cartridge, soluble, ingredient, proportion, capsule, aerosol, tube, cap ...
798. 2760997 , August 28, 1956 , PROCESS FOR THE PRODUCTION OF CHLOROTRIFLUOROETHYLENE BY PASSING A MIXTURE OF TRICHLOROTRIFLUOROETHANTE AND HY  
CORE TERMS: iron, conversion, chlorotrifluoroethylene, centigrade, zone, by-product, hydrogen, mole, tube, ratio ...
799. 2730466 , January 10, 1956 , INSULATED ELECTRICAL CONDUCTOR 5  
CORE TERMS: resin, solvent, polyvinyl, enamel, wire, resistance, acetal, conductor, insulated, melamine ...
800. 2707584 , May 3, 1955 , METHOD OF FILLING THERMAL RESPONSIVE ELEMENTS AND SEALING TUBES

CORE TERMS: tube, fluid, thermal, responsive, jaw, chamber, inwardly, expansible, manifold, collapsing ...

801. 2703610 , March 8, 1955 , MILK EVAPORATION APPARATUS

CORE TERMS: milk, tube, pipe, evaporator, refrigerant, water vapor, drum, condenser, chest, gas ...

802. 2667766 , February 2, 1954 , METHOD OF BALANCING STEAM CONSUMPTION IN AIR CONDITIONING

CORE TERMS: moisture, sorbent, steam, cooling, humidity, refrigerating, air stream, exhaust steam, chemical, relative humidity ...

803. 2667040 , January 26, 1954 , ABSORPTION REFRIGERATION SYSTEM FOR MOBILE APPLICATION

CORE TERMS: generator, valve, chamber, ammonia, refrigerant, products of combustion, receiver, refrigerating, solenoid, cycle ...

804. 2605785 , August 5, 1952 , VALVE MEANS FOR CONTROLLING LIQUIDS AND GASES

CORE TERMS: port, valve, fluid, electro-magnetic, gases

805. 2534789 , December 19, 1950 , ABSORPTION REFRIGERATION

CORE TERMS: refrigerant, solvent, refrigeration, absorption, perchloroethylene, fluoride, chloride, machine, hydrocarbons, aliphatic ...

806. 2408802 , October 8, 1946 , ABSORPTION REFRIGERATION CYCLE

CORE TERMS: refrigerant, solvent, absorber, tower, heat, pump, fractionating, vapor, boiler, machine ...

807. 2364000 , November 28, 1944 , ELECTRIC MOTOR

CORE TERMS: rotor, shaft, chamber, rear, housing, stator, heat, horsepower, silver, winding ...

808. 2249074 , July 15, 1941 , REFRIGERATING APPARATUS

CORE TERMS: refrigerant, coil, conduit, evaporator, vaporized, tank, heat, vapor, valve, heat exchanger ...

809. 1969537 , August 7, 1934 , METHOD AND MEANS FOR DETERMINING ALTITUDE FROM AIRCRAFT

CORE TERMS: frequency, altitude, antenna, meter, wave, oscillation, craft, inductance, curve, grid ...

810. 859888 , July 9, 1907 , MEANS FOR CASTING ALUMINUM ALLOYS

CORE TERMS: casting, mold, heat, finely, sugar, solid body, subdivided, alloy, molten, ounces ...

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